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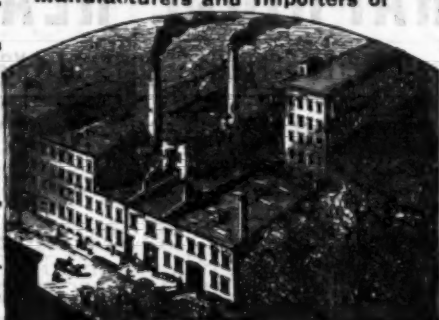
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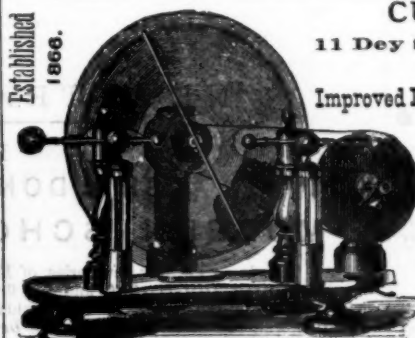
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A Weekly Journal of Education.

AMOS M. KELLOGG, Editor.

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New York, July 1 and 8, 1882.

THE publishers take this time of the year to advertise. This demands the addition of more pages. Read all about the books, etc., that are advertised. The reason they are advertised is that they are of value to those engaged in the work of education.

THERE are schools in cities and towns where from five to thirty teachers are employed; some meet regularly from two to four times a month to discuss the principles and methods of teaching; others never meet. Which are right? Is it a good thing to meet?

EDUCATION is quite another thing than the lesson-hearing that so universally prevails. Many a teacher would educate if he were not forced to cram; if he stands in the fear of the visit of superintendents, who will do no-

thing but examine, to see how much stuffing there is inside of the children, he will of course obey the law which dictates self-preservation. Who is to blame?

PROF. CHARLIER, at the closing exercises, June 20, of his magnificent school, had something to say about the dignity of teaching. He declared it equal to any profession, and in many respects better than any other. There has been too little said like this. The teacher should value his profession more highly; it is his own fault if he is at the bottom.

WE look in the dictionary for a definition of the word educate. It is given thus!—"To lead out and train the mental powers of; to inform and enlighten the understanding of; to form and regulate the principles and character of; to prepare and fit for any business, or for activity and usefulness in life." Teacher, keep this in your mind and ask yourself; am I educating? It would not be strange if you come to the conclusion that you were not and that you were hearing recitations rather than teaching. If you do whose fault is it?

THERE are teachers who are prompt at the school house, hear the lessons, dismiss promptly, draw pay regularly and in fine, go through with the motions admirably. They will not be seen at Yonkers, or Saratoga, (unless they "make" on the railroad fares thereby; they utterly ignore meetings of teachers. Let us ask these people where religion and temperance would have been without meetings. And three fourths of what they are is due to those who meet and diffuse ideas. We will have the pleasure of doing them good, any way.

THIS number of the JOURNAL is not a sample number. The subscribers will find it laden with advertisements; for many reasons we hope they will like this part of it; the advertisers encourage educational journals much more than some so-called educators. The reading at this time of the year will reflect the hurry and bustle of the time. So that new eyes that see the paper may be assured they will see something more quiet, and educational in September next, when vacation is over. But it is a capital paper nevertheless. Read it carefully and see.

THE close of the school year will set any thinking teacher to reviewing the past. Especially as he meets his fellows will he ask himself, "Are we doing the wisest and best thing to advance education?" There are plenty who doubt whether we are advancing at all just now. The practical question is whether you are desirous of doing something; if so, you need not be told you cannot work alone. Dismiss the State Association if you will, but we can only work through associations. Join hands therefore with your State Association, and determine that it shall accomplish something practical.

"WHERE shall I spend the summer?" is now asked by many tired teachers. There

are plenty of places in Sullivan County, as we know, having been there last summer. Grahamsville, is a pleasant place. Write to John Reynolds for particulars. It is easily reached by the cars; it is high and has a bracing atmosphere. Or go to Piseco Lake, up in the Adirondacks, write to Mr. Rudes. This is a charming place; we have been there too. We counsel the country; we don't like crowded hotels. Or, if you like sea air go to Sag Harbor. Write to Capt. Tooker.

As THIS paper will be widely distributed, it will be seen by some having the name of teachers, who do not subscribe for educational papers. We have a poor opinion of such, whether presidents of colleges, or professors therein, Superintendents, or principals of schools, or assistants therein, or sole rulers in district schools. They deem themselves so wise that they cannot learn any more; they know all about education!! Pretty people these are to teach others! The best teachers are constantly learning; the best teachers consider their accumulations concerning education to be small and strive to increase them. We pity the teacher who does not read an educational journal.

PAUL TULANE, of Princeton, N. J., has given two millions of dollars for the purpose of endowing a college for the education of the white young men of New Orleans in languages, literature, science and art. A number of prominent gentlemen, among whom are General Gibson, of Louisiana, have become a corporate body in order to accept this trust. This is the second gift in behalf of Southern education which has been made within a short time. Mr. Tulane says, that the object of limiting it to white persons is not to create distinction, but to prevent litigation. Mr. Tulane is a Northern man, who rode into Crescent City more than half a century ago in search of a modest business opening. He found what he was looking for and retired with a fortune soon after the late civil war began.

SPECIAL NOTICE.

The publishers give notice that in accordance with their usual custom, they will issue the JOURNAL, but ~~twice~~ twice, in each of the months of July and August. The Editors and publishers need a vacation as much as the teachers; and then, the teachers taking their vacations need less issues of the paper.

SHALL WE GO TO WORK.

The program for this year is about the same as usual. When the papers are read, the election held and the bills paid, and all hie them away to their homes. The next year another program will be issued and the same course pursued. Ought we not to be at work all of the intermediate time? So it seems to us. The Association should appoint an Executive Committee to push forward needed reform; the Secretary should work and be paid for his services. Here are things the Association should empower its Executive Committee to work at.

1. Qualifications of County Commissioners.
2. The association to consist of elected delegates.
3. County Normal Schools.
4. Grading the district schools.
5. Distribution of a certain sum to districts in proportion to number of pupils that complete the common school course, say \$100,000 annually.
6. Township union of districts.
7. Reference libraries in district schools.
8. The teachers' tenure of office.
9. The recognition of State certificates and Normal diplomas of other States.
10. The advancement of educational ideas among the people.

It is essential that the Association settle down to the business of advancing the reforms above indicated. Read papers, brethren, if you will, but let us DO something also. Shall we lay out a plan of action for 1882-83?

THE STATE ASSOCIATION.

Here is the program, commencing Wednesday, July 5, at 2 P. M., at Yonkers.

1. President's address.
2. Condition of Education. Committee.
3. Life Insurance. "
4. Industrial Exhibit. "

Wednesday Evening.

1. Near Sightedness.
2. Drawing Exhibit.
3. Address by Wallace Bruce.

Thursday Morning.

1. Methods of Instruction. Class Exercise.
2. Instructions on Temperance. Mrs. M. H. Hunt.
3. Improved Methods. Committee.
4. Discussion.
5. The Practical in Education. A. W. Norton.

Afternoon.

1. Reminiscences. W. Ross.
2. Advancement of Education. Committee.
3. Discussion.
4. Improvement of the Schools. A. M. Brown.

Evening.

1. Finances. Committee.
2. Necrology. "
3. Address. Hon. Warner Miller.

Friday Morning.

1. Methods of Instruction. Class Exercise.
2. Improvement of Institutes. Prof. Kennedy.
3. Discussion.
4. Oral Teaching. Hon. J. W. Dickinson.

Afternoon.

1. Resolutions. Committee.
2. Election reports.
3. Induction of Officers.

For the SCHOOL JOURNAL.

FORTE.

By M. M. MERRILL, New York.

A so-called "professor" has recently attempted, on a wager, to swim across the East river with his arms and legs bound. He failed but we do not know that it hurt the East river. Many of us have entered handicapped the lists of life, but the elements wherein or whereon we wrought suffered violence thereby. Perhaps teaching was to us a mischosen calling; with unskilled hand in the school-room we have moved the spirit of the child. Here is a large field of thought.

Let us admit that many teachers are failures. How came they to be teachers? A college professor, learned by study and polished by travel, once said to the writer, "I believe a man should find his forte, change until he finds it, then follow it." He

assumed that every one has forte or fitness to excel in some particular work or way of living.

Did he assume too much? Does nature design us for one rather than another work? Can we ignore her designs and yet fully attain our best stature, use and happiness? Or are we born clay in the hands of the potters, that is to say, our parents, teachers, trades-unions, laws of supply and demand, etc., etc. Are the usual and proper outblossoming and fruitage of a life conditioned by germs within or the environment without? Or are they wholly neither but somewhat both? These are not idle questions. Persons choosing or having chosen an occupation must consider and answer them. Idle, aimless drift by wind and tide of circumstance clogs the world with mediocrity or curses it with failure, while the tramps "go about the streets" or "over the hill to the poor house" or the prison.

We must study ourselves; it is a pity that self-study is so difficult and oftentimes humiliating. Some of us surely are fit for nothing but the simplest and obscurest place and work. This fact is not so sad as it were to miss or despise our place and work. And of this there is great danger. Nature instinctively knows and selects the right thing for every place and use. In theory human society, though lacking the infallible instinct, aims to do the same. Hence the machinery of courses of study; school organization, local and general, with their examinations, certification, and supervision of teachers; Normal schools, teachers' institutes, etc., etc. By such means as these, society would construct substitutes for "natural selection" and ensure the survival of the "fit" only.

Perhaps the substitute is the best, the only one possible. It fails, however, because it is a human invention and because the machinery is so often run by human self-conceit, ignorance and selfishness. Thus it happens that men push themselves or their friends into places "where angels would fear to tread." Competition degenerates into a rude scramble for place. The doors of school boards and committees are besieged. The influences used by applicants or their friends are little better than bribery, loaded dice or jugglery. School superintendents and principals try bravely to maintain standards and to turn out results with these mis-called "Assistants." They seldom dare more than whisper what they know, lest their heads go off.

All this is trite enough. It is safe to assume that public sentiment remaining the same, these evils will continue. Human fallibility and human selfishness are constant factors in all human affairs. For honest though mistaken estimates of character there are pardons and perhaps remedies; but what pardon or remedy is possible for a choice bought by filthy lucre or by filthier love of place and power for their own sakes. If "the good time coming" ever comes in school conduct, it will be when schools cease to be used as corrupt political machinery or as institutions of charity. To hasten this "good time":

First—Let young people choosing their work, scan their motives, tastes, adaptation; consult wise guides—not necessarily their friends; count the cost of training and also of subsequent labor and denial. It is no trifling decision.

Second—Let our Normal Schools be in fact what they are in idea, viz: Professional rather than high schools. Let them issue diplomas to none who do not prove in practice both their devotion to and fitness for teaching.

Third—Let all certification be conditioned subordinately on knowledge but chiefly on devotion to and success in the work of teaching.

Fourth—Let new doors of honorable, remunerative toil be opened to both sexes. These are daily opening wider and wider. It must cease to be true in any community that school-teaching is the only such occupation for well-reared but dependent young people. Household service of various grades, manufacturing, commerce, floriculture, silk-culture, agriculture, art, the trades, and the professions are open now even to women and will pay large returns for their time and toil.

Fifth—The friends of education must insist that

teachers be chosen only out of the very best. There is room in our schools for the highest natural qualifications and for a true Aestheticism. Why should not the teacher illustrate in himself the beautiful as well as the true; the sound, well formed body as well as the sound, disciplined mind; graceful carriage and manners, as well as a soul of honor and a heart of love for children.

It used to be said that the most weak and worthless youth of the household—the one who seemed fit for nothing else, must be fitted for the ministry. And it too often happens that youth, who by misfortune of birth or of accident are physically maimed and deformed, possibly into very Calibans, drift by a sort of dire necessity, into the business. Consider that morbid mental states and action are usually induced by such infirmity and always intensified by the confinement and friction of the school-room. Picture to yourself a man petted, pitied and indulged from his youth until such treatment becomes necessary to his peace; then imagine him head over a flock of well-meaning but thoughtless, or worse, of ill bred and mischievous children to be found in any town in the land. But the children—do we not pity them? Have they no rights their elders are bound to respect?

Non ignara mali, miseris succurrere disco.

Schools are made for the children. They are structures raised by society for their defense and culture. Society means that within them a special kind of work must be carried on. It supposes the teacher to do this; it holds him responsible therefor. This demands special fitness and exhibits the need of what we call forte. In other words there is a demand by society for forte in teaching. Forte in the teacher means a great deal. It means the fitting of themselves, to do the most good to the children in the direction of culture and knowledge.

A correct public sentiment should adjust matters as to help all who have a forte for teaching to obtain places to exercise it, and to bar the door against those who would selfishly use the teacher's office as a mere stepping stone to some other work, or who would use it to earn a little pin money or pay for a wedding outfit.

THE PURPOSE OF EXAMINATIONS.

A Paper read at the Convention of School Superintendents in Boston, May 20, 1883, by S. A. Bent, of Nashua, N. H.

I take it for granted that the examination we are discussing is one given by those who have the supervision of schools. By the examination itself I understand a written review of the work of the term or year, as the case may be. It is only in the examination by supervisors that superintendents are interested. In my own schools we have a periodical written review given by teachers. I do not call it an examination, because I wish thereby to indicate a difference between that exercise and the questions prepared by myself at intervals of a term. The object of both is the same. The former is intended for the information of the teacher to indicate how the daily work of a class is being assimilated as it goes on. The latter is my own test. As it goes out from me, so after inspection and marking by the teacher, it comes back to me. I will say in passing, that nothing is so instructive to me as the results of these examinations, and that I cannot conceive a work of superintendence well performed where the daily information gained in the visit of classes is not supplemented by regular written examinations as often as once a term, and we have three in the year.

I define the purpose of examinations to be the attempt to discover the breadth of instruction by the teacher, illustrated by the answer of the scholars to questions prepared by a third person. If this definition be correct, examinations are then a test no less of the teacher than of the scholar. They should therefore in all cases be the work of the superintendent. I meet here an objection that a superintendent cannot tell how wide any given scheme of instruction may be, and that, therefore, his questions will be narrow, and consequently unfair. But this can only proceed on the assumption that the scheme of instruction is not his own in the first place, or that he does not follow it as often as his general

duties permit. It ought not to be the same thing, whether questions are prepared by an active and intelligent supervisor or by a stranger to class work, in which latter case the first man in the street would be as efficient an examiner as the school official paid for the performance of this among other functions.

To proceed with our analysis of the subject. Examinations are a test of breadth, fullness, originality, intelligence and culture. Whose breadth and intelligence and culture? In the first place, not the scholar's. Here we collide with the fallacious definition of our machine-friend, that examinations are a test by a teacher of a scholar's knowledge of a subject. But if this were so, why supervision? Why pay extravagant salaries to gentlemen to enable them to ornament a sinecure? On the contrary, the first object of the test of an examination is the teacher. When the returns of the so-called "Norfolk county examinations" came in, who fell first before the test? The scholar? Certainly not. He answered according to his light, and if his light was darkness, it was not his fault. The system by which he was uneducated went down, save in those few brilliant exceptions, which made the general darkness more palpable. The teacher had been groping, the class stumbled, the system and teacher first. The fatal chain was complete in all its ill-forged links, no supervision or bad supervision, which is worse, poor systems, weak teachers, blundering, routine and book-tied, practically untaught scholars. What snapped the chain? A legitimate authority, an outside supervisor.

Our examination if fairly conducted, first tests the teacher. The class is not better than their instructor. Like teacher, like class. Take the whole curriculum of school work down to the neatness of the teacher's desk, and the consequent condition of the floor, under the scholars' seats, you can in all cases predicate what the class will be by what the teacher is. Let a given method be your teacher's or your own, if it stands the test of a fair examination, it is good. Individual scholars may fall under it, but your teacher is not to blame. She has done her part. No teacher, no system, no breadth of method can create mind.

If we are teaching words, not ideas, an examination will disclose it. If our scholars never ask the why of the why, nor are ever told more than a bare fact which leaves their minds grasping for a reason, a written examination, on questions asked neither in the words of a book, nor in the ordinary language of the school-room, will tell us where the fault of our method lies. The scholar's test is then the second purpose of examinations considered only superficially the first purpose, and so involving a *suppressio veri* in being supposed to relate to isolated facts or results disconnected from methods.

COUNTY NORMAL SCHOOLS.

How much these are needed in this State! Yet commissioners content themselves with the one-week institution. See the method in Cowley county, Kansas. Superintendent Story, a live and practical man, issues his circular. He opens a County Normal July 5 and closes it August 5; he has three assistants. As soon as the Normal is over he opens a three day examination, giving first grade certificates to those who have had twelve months' successful teaching and average 90; second grade must have had three months' successful teaching and average 80; third grade must average 70. The fee is \$1.00 per month. The teachers pay the bulk of the expense of the Normal. Let New York follow this example.

An instance of Longfellow's amiability occurred when he was a professor at Bowdoin College. He once called up a student who was unprepared to recite. A fellow-student endeavored to prompt him in a whisper, which, however, was so loud as to be heard through the room. The professor did not interrupt, but when the student stopped of his own accord, remarked, quietly, "Your recitation reminds me of a Spanish theatre, where the prompter is more important than the actor."

THE SCHOOL-ROOM.

THE READING CLASS.

By M. P.

THE PRIMARY SCHOOL.

The pupils in my second reader come to the class seats at the call of the bell in good order. The new words to be found in the lesson were carefully written on the blackboard before the class is called.

The first question asked is: What is the subject of the lesson? After that has been answered or found out, we attack the picture, if there is one in connection with the lesson and pick it all to pieces, so to speak. What child will not take more interest in a reading lesson about a picture? Then we learn the new words from the board very thoroughly, pronouncing, beginning at the top, then at the bottom, skipping around so not to learn them by rote. Now we are ready to find them in the reading lesson, which is done with a great deal of zest. After this is done we are ready to begin to read the first verse; the teacher reads sentence by sentence and the class reads after her. If the verse reads like this: "Frank and Kate, went out to take a walk. They went down a road which lead to the cool woods and green fields," the teacher asks, who went out to take a walk. Where did they go to, etc? In this manner the whole lesson is gone over and the little ones are ready to prepare their lesson in an intelligent manner. Before they are called up for the final reading of the lesson the teacher sees that they have written on their slates a part or all of the lesson. When they are called to read they come up with a look of satisfaction on their little faces, and read off in easy conversational tones, none laboriously spelling the words, or monotonously drawing them. Often a lesson is taken from a juvenile book or paper and written on the board for them to copy for a reading lesson. "Fresh Leaves" are given to them occasionally, and they are very expert in making them out. As many different second readers as can be found in the school are kept in the teacher's desk for supplementary reading. My "second reader class," is decidedly a live class.

LANGUAGE LESSONS.

ADVANCED SCHOOL.

The practice of memorizing the choice thoughts of our best writers should be made a prominent feature of school work. Oliver Wendell Holmes says, "There is no place which an author's thoughts can nestle in so securely as the memory of a school-boy or a school-girl." It is also in accord with the advice of Arthur Helps, who says, "We should lay up in our minds a store of goodly thoughts in well-wrought words, which shall be a living treasure of knowledge always with us, and from which, at various times, and amidst all the shifting of circumstances, we may be sure of drawing some comfort, guidance, and sympathy."

The idea of its introduction is not new in the history of education. In a similar manner the Germans have been long in the habit of training their children in the knowledge and admiration of the literature of their own land. The Arabs, the most civilized nation of the ancient world, taught their young to repeat the undying thoughts of their poets, under the beautiful name of "unstrung pearls."

At least one hour per week should be given to this literary work in all the district, grammar, and high schools throughout the country.

I recommend eight lines as a fair amount for each week's work. At this rate the pupils, in passing through the district and grammar schools, would commit 2,560 lines, and in passing through the district, grammar, and high schools, 3,840 lines, which is equivalent in amount to one hundred and twenty-eight pages of one of our Fifth Readers.

Important as it is, it is not enough that the pupils simply memorize the selections. Each one

of them should be made the subject of a lesson to be given by the teacher.

For example, in presenting to the pupils for memorizing this beautiful passage from Whittier's "Snow Bound,"—

"Alas for him who never sees
The stars shine through his cypress-trees!
Who, hopeless, lays his dead away,
Nor looks to see the breaking day
Across the mournful marbles play!
Who hath not learned in hours of faith
The truth, to flesh and sense unknown,
That Life is ever lord of Death,
And Love can never lose its own,"—

the teacher should give a talk on the immortality of the soul, on the fond anticipation of meeting our dear ones beyond the grave, on the deplorable condition of him who does not believe in the future life. She should speak of the beauties of "Snow Bound," the greatest American idyl, and give the connection in which these lines occur; should bring out the meaning of "the stars shine through his cypress-tree" and every other expression; in brief, should see that the pupils thoroughly understand every word and phrase; that they give the substance of the passage in their own language and make the proper application of the same, before requiring them to commit it to memory. But above all, she should endeavor to imbue their minds with the spirit of the extract.

Again, suppose a lesson is to be given on the protection of insect-destroying birds,—and such lessons should be given in every school-house in the land: how could it be more impressively done than by telling the story of the "Birds of Killingworth," by Longfellow, and drawing from it the lesson intended to be conveyed by the author, and then fixing that lesson in the minds of the pupils by having them memorize (after thorough preparation) the following noble lines of the Preceptor I—

"Do you ne'er think what wondrous beings these?

Do you ne'er think who made them, and who taught
The dialect they speak, where melodies

Alone are the interpreters of thought?

Whose household words are songs in many keys,

Sweeter than instrument of man e'er caught?

Whose habitations in the tree-tops even

Are half-way houses on the road to heaven!

Think every morning when the sun peeps through

The dim leaf-latticed windows of the grove,

How jubilant the happy birds renew

Their old melodious madrigals of love!

And when you think of this, remember too

'T is always morning somewhere, and above

The awakening continents, from shore to shore,

Somewhere the birds are singing evermore."

Yes, in this beautiful world that God has made for us,

"'T is always morning somewhere, and above

The awakening continents, from shore to shore,

Somewhere the birds are singing evermore."

What an opportunity is given in this work for our teachers to impart moral instruction, to cultivate the emotional nature of children; to inspire them with love of the noble, the good, and the true! Such instruction must bear beautiful fruits.

After the selection has been thoroughly memorized, the attention of the teacher should be given to the elocution,—to the beautiful delivery of the same. This can be well done by concert drill. The concert should be supplemented by individual recitation. If, however, for want of time, any part of the work indicated above has to be neglected, it should be the individual recitation. As I said before, declamation is secondary to the committal to memory of literary gems.

As the value of these extracts to one in after life will depend in no small degree upon the accuracy with which they are memorized in youth, the teacher should see that they are committed to memory, word for word. In order to do this, time should be taken from the grammar or language lessons for the pupils to write the extracts from memory. This would also be an excellent practical exercise in capitalization, punctuation, and spelling.

Let me say here, that this literary work trains the memory: there is perhaps no weaker point in

the school system of our country than the frequent neglect of this absolute necessity in child culture. The memory needs as much strengthening by exercise as the muscles of the arm; but it should be employed, as hers, in storing the mind with what is worth remembering.

It also enriches the vocabulary of the pupils by giving them many new words and beautiful combinations, whereby they will obtain a better command over the English language.—From "Moral and Literary Training in Public Schools," by JOHN B. PEARLEE, LL. D., Cincinnati.

THE PHYSIOLOGY CLASS.

HIGH SCHOOL.

M. A. Laveran has found, in the blood of patients suffering from malarial poisoning, parasite organisms, very definite in form and most remarkable in character; motionless, cylindrical curved bodies, transparent and of delicate outlines, curved at the extremities, transparent spherical forms provided with fine filaments in rapid movement, which he believes to be animalcules; and spherical or irregular bodies, which appeared to be the "cadaveric" stage of these, all marked with pigment granules. He has also detected peculiar conditions in the blood itself. During the year that has passed since he first discovered these elements, M. Laveran has examined the blood in 192 patients affected with various symptoms of malarial disease, and has found the organisms in 180 of them, and he has convinced himself by numerous and repeated observations that they are not found in the blood of persons suffering from diseases that are not of malarial origin. In general, the parasitic bodies were found in the blood only at certain times, a little before and at the moment of the accession of the fever; and they rapidly disappeared under the influence of a quinine treatment. The addition of a minute quantity of a dilute solution of sulphate of quinine to a drop of blood sufficed to destroy the organisms. M. Laveran believes that the absence of the organisms in most of the cases (only twelve in the whole 192) in which he failed to find them was due to the patients having undergone a course of treatment with quinine.

THE GEOGRAPHY CLASS.

ADVANCED SCHOOL.

ST. PETERSBURG.—St. Isaac's, the great cathedral at St. Petersburg, which was finished in 1859, and cost twenty-five million dollars, is slowly sinking into the ground, and the authorities do not know how to stop it. The Russian capital is built upon a marsh, and the site of St. Isaac's is on one of its softest parts. Over one million was spent in driving piles originally, but the building has never been firm, and now threatens to topple over at one corner. A recent examination showed that at one side, the columns had separated from the architrave, leaving a space of three inches between. The roof was at once tightened by removing large stones, but new fissures appeared as the work went on, the workmen left in fear, and the engineers gave up the job as a bad one. Beyond fruitless consultations, nothing has since been done. What this forebodes as to the rest of the city must be a serious question.

COTOPAXI.—In 1883 this volcano threw its fiery rockets three thousand feet above its crater, while in 1884 the blazing mass struggling for an outlet, roared so that its awful voice was heard at a distance of more than six hundred miles. In 1797 the crater in Tungurangua, one of the great peaks of the Andes, flung out torrents of mud, which dammed up the rivers, opened new lakes, and in valleys one thousand feet wide made deposits six hundred feet deep. The stream from Vesuvius, which in 1837 passed through Torre del Greco, contained 32,000 cubic feet of solid matter, and in 1708, when Torre del Greco was destroyed a second time, the mass of lava amounted to forty-five million cubic feet. In 1780 Etna poured forth a flood which covered eighty-four square miles of surface, and measured nearly one thousand million cubic feet. On this occasion the sand and scoria formed the Monte Rosini, near Nicholosa, a cone of two miles in circumference and

four thousand feet high. The stream thrown out by Etna in 1816 was in motion at the rate of a yard a day, for nine months after the eruption; and it is on record that the lava of the same mountain, after a terrible eruption, was not thoroughly cool and consolidated for ten years after the event. In the eruption of Vesuvius, A.D. 79, the scoria and ashes vomited forth far exceeded the entire bulk of the mountain: while in 1660 Etna disgorged, twenty times its own mass. Vesuvius has sent its ashes as far as Constantinople, Syria and Egypt; it hurled stones eight pounds in weight to Pompeii, a distance of six miles, while similar masses were tossed up two thousand feet above the summit. Cotopaxi has projected a block of one hundred cubic yards in volume a distance of nine miles; and Sumwaba, in 1815, during the most terrible eruption on record, sent its ashes as far as Java, a distance of three hundred miles.

OLD CARTHAGE.—Stumbling over broken blocks of masonry, among which the lizards, sole inhabitants of the city, were running swiftly, I walked a short distance past the site of Dido's palace, and came thus to the place where the only extensive remains of the greatness of Carthage are to be found. These are the cisterns which once furnished a portion of the water supply of the city. So it is an easy matter for those who have seen these wonderful cisterns to form an approximate idea of the grandeur of the city to which they belonged. They are vast subterranean structures, with heavy vaulted roofs, intended to shut out from the cool water in the mighty tanks the heat of the African sun. But time has made many a breach in these great arches, and the light of day in consequence streams in upon corridors and chambers which eighteen hundred years ago were shrouded in midnight gloom. Some of the cisterns are circular in shape, and look like nothing so much as enormous wells; the majority, however, are of oblong form. In every case the masonry is of the most substantial description, showing how well the Phoenicians did their work. Even more remarkable, however, than the quality of the masonry is that of the lining of cement upon the walls of the cisterns. It is as perfect to day as on the day, probably more than two thousand years distant, when it was spread upon these walls. The very marks of the trowels used in spreading it are quite distinct, and here and there may be seen the coarse imprint of some workman's thumb—a sight to ponder over at one's leisure. I had a strange feeling upon me as I trod the long, covered corridor that runs the length of the whole series of cisterns, and thought of the time when above where I now walked, the tumultuous life of a great city had rolled in its majestic fullness of power. Most of the cisterns were half filled with rubbish that had fallen when the arches of the roof gave way; but presently I came to some which seemed to be comparatively little injured, and at last to one that—so far as I could tell—was as perfect as on the day when the Phoenician workmen left it, and the cool waters were first allowed to flow into it. It was a beautiful, dimly lighted chamber, with walls and roof and floor white and clean; and it contained pure crystal water to the depth of five or six feet.—T. W. REED.

MORAL LESSON.

"Duty is above comfort and pleasure." Dr. Dio Lewis gives this account of a shepherd dog, showing that the sense of duty reaches the lower animals; it is a lesson that cannot but effect the stoniest heart. The shepherds of California employ a small, pretty dog which becomes indispensable. In fact, one dog is worth two men anywhere, and in the mountains he is worth a dozen. When the night is so dark that a man can do nothing, the dog will go around and see that all is right and in case of danger will bring the sheep together into a flock and prevent their straying; there being no fences the sheep would scatter so widely that the shepherd could never get them together but for the dogs, who at a motion or word go off on a circuit of many miles and drive them together. The dog never barks, but if the sheep do not obey he gently nips their hind legs.

The night we arrived we found in the camp a dog that was valued by its owner at \$500; it was the mother of four pretty puppies. We were greatly interested in her motherly devotion and intelligence. When night came on one of the herders entered with the information that more than twenty sheep were missing, and that Flora must be sent for them. But Flora had been busy all day and was suffering from a sore foot beside. She lay beside her puppies and it seemed cruel to send her out any more. But it was becoming dark and there was no time to lose. Flora was called and told to hunt for lost sheep. "Sheep lost, Flora. Sheep lost, Flora. Go hunt them." The master pointed to the great forest now growing gloomy with the coming night.

Flora raised her head and pricked up her ears; she understood but seemed very loath to leave her babies. The master spoke sharply to her and she rose looking tired and low spirited; with head and tail down she trotted wearily off to the great forest.

"That is too bad for Flora." "Yes, I'm sorry for her, but she is the only creature that can find those stray sheep, and she will not return without them."

The next morning dawned before Flora returned. She came driving in the sheep, having gathered them from the distant points to which they had strayed. She was so exhausted that she could hardly walk. She did not raise her head, or wag her tail when spoken to, but crawled to her puppies and lay down beside them; in a few minutes she was fast asleep. There was not one who saw this but wept; it was most affecting.

How often that scene comes back to me! The vast gloomy forest and that little creature with the sore foot and tired body; her heart crying to be with her babies, and yet limping and creeping about in the wild canyons all through the long dark hours until every one of the lost sheep was found.

Do we do our duty like that? Are we willing to sacrifice one comfort for others like that? Are we as self-sacrificing as this dog? We are better than dogs we think, are we so really? We despise dogs, but is not here a lesson for us to learn?

PROGRAM FOR TWO GRADES.

9.00	9.05	Opening exercise.	M.
9.05	9.30	History.	B M. Arith.
9.30	9.45	B M. Arith.	A W. "
9.45	10.00	A and B Physiology (oral).	
10.00	10.05	A and B Calisthenics.	
10.05	10.30	A W. Arith.	B Grammar.
10.30	10.45	Recass.	
10.45	11.15	B Gram. & Com.	A Gram. & Com.
11.15	11.30		A and B Spelling.
11.30	11.55	A and B Spelling.	
11.55	12.00	Dismission.	
1.00	1.30	B Geography.	A M. Arith.
1.30	1.55	A and B Writing.	
1.55	2.00	Calisthenics.	
2.00	2.30	A Mat. Arith.	B W. Arith.
2.30	2.45	A and B Drawing.	
2.45	3.00	Recess.	
3.00	3.20	A Gram. and Com.	B Reading.
3.20	3.40	B Reading.	A M. Arith.
3.40	4.00	B W. Arith.	A History.
4.00	4.05	Dismission.	

The right hand shows the studies preparing. This is an answer Va. request by a subscriber.

CLOSING EXERCISES.

We give the salutatory and valedictory of the Mt. Gilead (Ohio) High School, mainly as a sample.

SALUTATORY.

In behalf of my teachers and classmates, I heartily welcome you here to-night to witness the last rites of our school-day. Bright, golden days they have been, around which the fondest memories will ever cling, and of which we can only think with a tear of regret that they have passed away so soon, for as we venture on the untrod ocean we realize that "our lives have henceforth separate ends, and never can be one again." The joys and cares of our school-days over, we turn to you with a warm welcome on our lips and in our hearts. While we can

deavor to entertain you to the best of our ability, we ask you to hear us patiently and to criticize us charitably; for our only wish is that you may be amply repaid for your attendance and attention.

VALEDICTORY.

To you, dear teacher, we are exceedingly grateful. During our sojourn with you, you have not only patiently tried to impart to us knowledge, but also to teach us how to cultivate our minds. Feel assured that you will always be preserved in our memories, and when you think of us remember only our virtues. We give you our sincere thanks, and bid you good-bye.

Gentlemen of the Board of Education, we are especially indebted to you for your hearty encouragement and support. You have labored most earnestly for the benefit of our dearly loved school, and we wish to acknowledge our gratitude and thanks.

And now, my classmates, comes the sad duty of reminding you that separation must take place. In surveying the experiences of our life thus far, we can but observe that we have had very few duties that cost great toil, or that had any woeful results; all our difficulties in the school-room, all our trials in home life, all our pleasures have been shared with kind teachers, and loving parents, and buoyant school-mates. But now we are to be ushered into the struggling scenes of life, and find that all our sweet relations as class-mates must be severed, and the pleasing intercourse that existed between us and our teachers must be broken. Who can look back at those days without one long, long sigh? Who can help but wish them o'er again? These are the last exercises that mark the dividing line between school-life and the unknown future. In going forth, my dear class-mates, to struggle in life's contests, let perseverance mark our efforts and morality our conduct. Let righteousness be our watchword, and let us act our part as men and women, that when we have finished the journey of life we may receive the crown of glory and happiness in immortal bliss.

THE ASTRONOMY CLASS.

HIGH SCHOOL.

At two o'clock on the morning of the 26th Mars will be distant from Regulus only three-fourths of a degree. Mars will be above. Regulus is the bright star of the first magnitude at the bottom of the handle of the sickle in Leo. The comet reached its perihelion about the 10th, when it was less than five millions of miles from the sun. Although subjected to an exceedingly intense heat, it has been an indistinct object even in telescopes of considerable power. It has yielded very slowly to the heat of the sun. This slowness seems to indicate that it is composed of less volatile materials than usual. It is in the north-west, to the right of and below Capella. Uranus is still visible to good eyes in Leo; it is 1,700,000,000 miles away. Over eighty years must pass before men will again see it as plainly. A line of stars extends eastward from Regulus; first a moderately bright one of about the fourth magnitude, with three smaller attendants around and below it; next on the line are two small stars often indistinct, one above the other; and a little farther on, just east of these and near them is a dim star, which appears and disappears if the air is not still and if there is a thin haze floating over the sky, and that pale star is Uranus.

THE STORAGE OF ELECTRICITY.

THE ADVANCED CLASS.

When we speak of the store of heat in coal we do not mean literally that there is so much of a material which we call heat associated with the materials carbon, hydrogen and ashes, any more than when we speak of virtue, charity and other qualities filling a man, do we mean that they crowd his heart, lungs and stomach. So when we speak of storage of electricity we must think of electricity as a condition of materials which may manifest itself to our senses. When we store electricity we merely impart to materials a quality, by means of a current of electricity, which enables them to

return a current of electricity under the proper conditions.

In galvanic batteries, the accumulation of stores of electricity depends upon chemical action; this differs from the accumulation in Leyden jars. In this sense, a galvanic battery is a storehouse of electricity. It is composed of materials relatively electro-positive and electro-negative immersed in a solvent of the electro-positive. We thus take advantage of the conditions made ready for us by nature. When the galvanic battery becomes exhausted the materials have assumed a neutral relation, due to the solution of the electro-positive material in the solvent. If now we take this exhausted battery and pass a current of electricity through it in the direction opposite to that which was given from it, we will by this means cause the separation of the electro-positive material from the solvent and its deposition upon its former holder. Thus we restore the original condition, and can again obtain electricity as at first. These discharging and recharging operations may be repeated any number of times.

If we make up a cell of two like metal plates, say copper, as electrodes, and use a solution of an electro-positive metal (zinc), a current of electricity will deposit metallic zinc on one of the plates, and will cause the solution of the other plate. One plate thus becomes electro-positive to the other, and when the two are electrically connected, a current of electricity flows until they have assumed their former condition of neutrality. This is the storage or secondary battery of Profs. Houston and Thompson, patented in 1879. This battery lacks the desirable quality of compactness.

Plante in 1880 found that metallic lead was electro-positive to per-oxide of lead, and that lead plates carrying them would give electric currents when immersed in dilute sulphuric acid. He made a secondary battery of these materials by repeated oxidations and de-oxidations of the surfaces of lead plates by means of electricity. As the efficiency of the battery depended upon the amount of per-oxide which could be formed and retained upon the negative plate his battery was too expensive to make, and was otherwise deficient.

In 1880, Faure patented in France an improvement on Plante's battery, which consisted in placing oxides of lead plates, and keeping the oxides in contact with the plates, and from mixing, by means of covers of fibrous materials, like cotton, asbestos, etc. As thus made the plates were electrically neutral even when immersed in dilute acid. But on passing a current of electricity into the cell so formed the oxide on the plates, connected with the positive pole of the source of electricity absorbed more oxygen from the water of the dilute acid and assumed the condition of per-oxide, while at the same time the oxide on the other plates gave off its oxygen and assumed the metallic condition as in the Plante battery. The Faure cell is thus more easily made and, as more oxide can be put on the plates, is many times more efficient.

But with the recent modes of producing cheap electricity, and the many applications which have thereby become practicable, the uses of stores of electricity have become many, and more will be discovered. In 1878 the scientific world did not recognize the utility of stored electricity, but in 1882, with the newly invented mechanisms which make electric lighting practically possible—as well as the electric transmission of power, and the numerous uses for electric motors—the storage of electricity assumes a prominence before the scientific and mechanical world which its applications demand.

DIARY OF EVENTS.

(These may be read to pupils and then discussed by suitable questions; thus historical, geographical and industrial knowledge will be gained.)

PRUSSIA.—Crime has increased 111 per cent. since 1871.

RUSSIA.—The Czar, though guarded by a host of sentries within the triple walls of Gatchina, suffers greatly from terror. He has decided to grant reforms. At Odessa the horrors inflicted upon the Jews were indescribable. Spirits and petroleum

were poured into open and dangerous wounds, and the eyes of babies were put out with red hot irons. Russian Jews have received invitations from Jerusalem to settle in various towns in Palestine.

ENGLAND.—On Queen Victoria's recent journey from Windsor to Balmoral, no person was admitted to the stations on the route, and only such railway employes as were necessary were allowed near the platforms. In Scotland, however, this vigilance was relaxed.

EGYPT.—The Italian and French residents number 14,000 each, and the English nearly 4,000. Hundreds of foreign residents have been seized with a panic, and are leaving Alexandria. The old forts have been repaired, earthworks are thrown up and manned, and guns are trained upon the British fleet. Additional vessels are on their way, both English and French. England and France have sent out invitations to all the Powers to a Conference at Constantinople, to provide for the maintenance of the *status quo*; including the sovereignty of the Sultan; the support of the Khedive; the maintenance of Egyptian liberties as granted by firmans; the development of Egyptian institutions, and the observance of international agreements. The Porte has sent out a circular that the Conference is not called for, and that order will be restored by the Commission which it has sent to Alexandria for the purpose of reconciling the Khedive and Arabi Bey and restoring order.

ITALY.—According to the *Pull Mall Gazette* Pope Leo is going to Salzburg from Rome. Prince Bismarck desired the Pope to fix his future residence at Frankfurt. He offered the Pope its temporal sovereignty, with a subsidy of many millions per annum. Leo declined. Salzburg was then offered him on the same terms as Frankfurt. The Pope took the offer of Salzburg, which has been made by Austria. The city is to be neutralized, and the Pope paid from the Austrian exchequer. Everything is said to be in readiness for the transfer from Rome to Salzburg.

LESSON IN SPELLING.

(These sentences contain but few words: they are repeated in various positions and combinations and are selected from Supt. F. W. Parker's tract on spelling.)

There is a mat.	The cat is on the mat.
This is a hat.	The rat is on the mat.
This is a mat.	The cat is on the chair.
This is the cat.	The black cat is on the chair.
I see the rat.	The bell is on the mat.
I see the mat.	The bell is on the desk.
I see a man.	The cat is in a pan.
Here is the hat.	The rat is in a box.
Here is a man.	Where are the cats?
Here is a cap.	Where are the bells?
Where is the man?	The red chair is on the mat.
Where is the pan?	Where have you been?
Where is the can?	Whose cat have you?
Where is the fan?	Whose hat have you?
I am glad to see you.	The rat ran.
I am glad to see my cap.	The hen ran.
The man ran.	This is my sled.
Here is Frank.	The bread is in the pan.
I see a fat cat.	I met a man.
I see a fat rat.	I led the lamb.
Do you see the fat cat?	Can I run?
Do you see the man?	Can the rat run?
Do you see the black cat?	The cat can run.
Frank had a hat.	The rat can walk.
I had a fat cat.	There is a box.
Did Frank have a hat?	There is a fox.
Where was the hen?	The box is on the table.
Where were the men?	The blocks are on the table.
They were in the house.	The fox is in a picture.

In his letter accepting the presidency of the Massachusetts Agricultural College, Dr. Chadbourne said:—I can never again become connected with an institute in which trustees or patrons insist that the young men should be kept to be reformed, or that they are to be tolerated in rowdiness and lawlessness. No man should enter college till he is old enough to know what he goes there for, and he should not be kept there a single day after he for-

LETTERS.

The Editor will reply to letters and questions that will be of general interest. But the following rules must be observed:

1. Write on one side of the paper.
2. Put matter relative to subscription on one piece of paper and that to go into this department on another.
3. Be pointed, clear and brief.

Boston, June, 1882.

I have received two letters containing questions which it may happen that other teachers might like to have answered. Permit me to reply to them through the columns of your excellent JOURNAL.

The first letter asks about grouping, and says: "The idea pleased me so much that I wish to put it into practice."

The purpose of grouping is individual treatment and teaching of little ones just entering school; but the plan may also be profitably applied to classes in the second year's work, especially those classes which have not been well taught during the first year. The groups may be of any number from four to ten. The basis of their selection and arrangement should be mental strength, and this manifests itself in power to attend. But before the careful selection for the grouping can begin, the teacher must ascertain approximately each child's range of ideas, his facility and correctness in the use of language, the idioms at his command, etc. In order to do this, the child must be made to feel at home in the school-room, and thus timidity will be banished. Do not begin to teach reading and writing for at least a month after the child enters school, providing you have skill enough to keep him fully employed in sense and oral language training. Never allow a child to be idle for one minute. After a thorough examination of the new-comers in the points above mentioned, select four or five of the brightest children and begin to teach reading and writing; then select another group, and another, until they are all at work. It is a good plan to have pupils seated as they are arranged in groups. The moment you think a child can work better in a higher group put him up. When a child can work better in a lower group put him down; when two groups can work well together, put them together. But please beware of one thing—do not excite any emulation in the grouping. *Do not make a child feel by look, word or act that he is dull or weak.* A pupil will be much more comfortable in the lowest group, where he is somebody, than in the highest in which his own weakness is painfully manifest. One word more in regard to the basis of the grouping. The true expression of mental strength is found in the power of attention; your teaching should be adapted to the child's power to attend. Grouping gives you the opportunity to adapt closely your teaching to different grades of mental power; if then a child cannot attend to the work in one group let him drop to another in which his mental tentacles can grasp the work.

In my experience, so-called dull children, thus carefully treated, often overtake and even outstrip their brighter companions before the end of the second year. There is no economy in separating those pupils into groups who can be taught together. It is a good plan, under some conditions, to separate pupils into groups in the different branches.

Another teacher asks my opinion as to what children should know at the end of four year's teaching.

Allow me to make my answer a brief one: 1st. Reading as a study should be finished in four years. Children can, under proper teaching, in this time acquire the power to use reading as a means of study and of gaining information, so that reading as a study *per se* need not be taught thereafter.

2d. Writing with slate or lead-pencil. Every child should write a legible hand, with great ease, and a good degree of rapidity. They should acquire such skill in making the forms of letters, that little or no training need be given in the grammar grades. Pen writing should begin in the third year, and be finished in the fifth or sixth year.

3d. Composition. All children should be able to write a good description of an object or picture; a

description covering at least the side of a large slate. The words to be accurately spelled, and the capitals and punctuation marks correctly used.

FRANCIS W. PARKER.

In number 17 of the JOURNAL I saw an article on Botany. Is not the matter to be taught such as, "The leaves are thin, the flowers smell sweet, the petiole is narrow," too special?

Are not the veins part of the blade? It says "the veins are in the blade."

Is it right to teach that the sepals are on the outside of the flowers? Are they not part of the flowers?

H. H., Brooklyn.

(To say the veins are in the blade does not say they are not a part of the blade. In fact the latter would be inferred from the former. To say "the sepals are on the outside" does not say they are not a part of the flower. It localizes them—that is all.—Ed.)

If you will send some copies of the SCHOOL JOURNAL and INSTITUTE, I will show them to the teachers at our convention. I like the JOURNAL better every

I only wish your agent had presented himself before us long ago, because I assure you this paper we teachers need. Long may the JOURNAL live to assist all engaged in instructing others.

Waterbury Conn.

F. J. K.,

(This is but one of many kind letters from the New England States. Our subscribers in these states are increasing every day; this feeling is spreading, that education is worth talking about, and worth reading about. New England is coming to the front where she belongs.—Ed.)

week. Many of its valuable suggestions and selections find their way in our school. H. R. P.

Mich.

(Why does only one teacher think of this? Of course it looks selfish that we say "urge every teacher to take them" does it not? Well it is not. We know that the teacher who spends one dollar on the paper gets ten back, for teachers of large experience, and especially institute conductors who are trying to benefit teachers say this, but say it much stronger.—Ed.)

EDUCATIONAL NOTES

ELSEWHERE.

THE Missouri State Teachers' Association convened at Brownsville, Saline county, June 21, 22 and 23. The meeting was one of the largest and most enthusiastic ever held in the State. Several excellent papers were read. The teachers of Missouri are coming to the front in points of practical education. H.

IOWA.—Co. Supt. Lapham is one of the "lives" educational men in the State. The normal institute to be held in New Hampton on Aug. 14th is to be conducted by some of the ablest talent in Iowa, with the aid of Miss Dinan, principal of a school of elocution in Chicago. With Profs. Breckenridge, Weld, and Simmons he will make the institute a great success, see if he don't.

THE following are the titles of the essays by graduates of the Albany Normal School at the last commencement: "Lighthouses;" "Do Boys make Men?;" "Sculpture;" "Longfellow;" "Beautiful Faces;" "Pictures;" "Letters;" "Questions;" "Foundations;" "Modern Progress;" "Lessons from Nature;" "Workers;" "Plea for Boys;" "Success;" "Teachers." The *Argus* says: "The essays of the young ladies and gentlemen were brief and of a high order of merit. They were upon familiar themes, were marked by simple style and diction, and bore traces of careful elaboration."

MR. E. P. WATERBURY was inaugurated as president of the State Normal School at Albany June 23d. Prof. Waterbury was born in Franklin, Delaware county. He graduated in the school of which he now takes charge thirty-three years ago. He was a teacher for three years and a half at the head of the mathematical department in the Fergusonville Academy, three years as principal of public school No. 8 in Hudson City, and thirteen years as professor of English language and literature in the Albany Academy. Since his retirement from the academy, Prof. Waterbury has devoted his leisure to literary work, to fitting students for entrance to colleges and universities. He has for some years been a member of the executive committee of the State Normal School; he is a man of energy, acquirements and culture, skillful in developing the affection and enthusiasm of pupils, and with a sound knowledge of the principles of education.

EDUCATIONAL MISCELLANY.

For the SCHOOL JOURNAL.

LONGFELLOW.

By J. W. BARKER.

"Dust thou art, to dust returnest,
Was not spoken of the soul."

A glorious song-bird, weary of these skies,
Singing at morn, at noon-tide, and even,
On mortal scenes has closed his weary eyes,
With folded wings, in groves of paradise,
Is resting near the pearly gates of heaven.

A harp, responsive to the mystic breath
Of heaven's own air, and earth's divinest power,
Hangs throbbing by the river we call "death,"
With songs unsung—the faded wreath
No more will blossom on the summer bower.

A star has faded from the galaxy
That spans with gold the heaven's ethereal blue;
On other skies it shines,—to melody
Of other spheres, it moves in harmony
With songs forever old, forever new.

No more in human homes those lofty strains
Of poetry will move the listening soul,—
No more the touching charm of sweet refrains
Will soothe the heart where brooding darkness reigns,
Or still the deep where waves of sorrow roll.

And yet beside time's ever moving river,
The "Psalm of Life" is ringing loud and clear;
"Sandalphon" with its soft and saintly quiver,
Will touch the soul of pure devotion ever,
And whisper peace in every listening ear.

"The Children's Hour" a consecrated charm
Will ever bear, and "Consolation" fill
A softer echo from earth's wild alarm,
"The Village Blacksmith" with his sinewy arm
Makes music at the gleaming anvil still.

No song bird ever lost his saintly power,
No harp of sweetness hangs in silence long.
From faded blossoms, comes a sweeter flower,
From icy winter comes the glad spring hour,
From throbbing silence bursts a richer song.

QUESTIONS FOR TEACHERS.

By D. P. SACKETT, Iowa.

1. Have you a carefully arranged program of your daily exercises written out and posted up in your school room?
2. Do you think you have as good order as can be secured under existing circumstances?
3. Are you training your pupils in habits of neatness?
4. What are you doing to prevent tardiness and irregularity of attendance?
5. Do you give your pupils frequent and thorough reviews?
6. Do you teach sounds of letters and diacritical marks in connection with reading exercises?
7. Do you allow any of your pupils to read in drawing, unnatural tones?
8. Do you teach local geography?
9. Are you giving due attention to map drawing in connection with historical and geographical studies?
10. Are your pupils well supplied with writing materials, and does penmanship receive due attention at your hands?
11. Do you give oral lessons in numbers to the youngest pupils of your school, and teach them to write as well as read?
12. Are all of your pupils fully employed during study hours?
13. Do you keep yourself well-informed in regard to current events, and furnish your pupils with important news items?
14. Do you give close and faithful attention to the care of all school property?
15. Do you keep your school register neatly and correctly, using pen and ink instead of pencil?
16. Do you take an educational paper?
17. Will you have any questions to ask the county superintendent when he visits your school?

Respectfully submitted to the teachers of Martin County, Iowa, by the Co. Supt.

EVERY person has two educations—one which he receives from others, and one, more important, which he gives himself.—GIBBON.

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After many years of study, travel, and exploration in the different countries, and upon the seas of the globe, Lieut. MAURY devoted the best part of his life and his experience to the preparation of these Geographies. His love of the subject, his engaging style, and his rich material for the work, enabled him to produce what has now become the most valuable and popular series of School Books. "The First Lessons in Geography" and the "World We Live In" were first issued, and were at once recognized as a decided step forward in the correct method of instruction. Next followed the "Manual," which, as a valuable compend and a class-book of unusual interest, found patrons and friends in all parts of our country and of the world. Immediately upon the publication of the "Manual," the Author entered upon the work of bringing out his "Physical Geography." To this he brought all the resources of his genius and learning. The result has been one of the most beautiful of books. The plain and instructive features of these Maps, of its style, has found for it, perhaps, more students, general readers, and admirers, than any other scientific book of like proportions has ever enjoyed. While engaged in the preparation of these books, the Author published his "Wall Maps." The plain and instructive features of these Maps, and their convenience for use upon the walls of school-rooms generally, and their ornamental appearance, have given them a wide circulation. A new series of Maury's Geographies has recently been issued, as follows: "The Elementary," which is a revision of the "Manual," set of designs, and the text has been arranged so as to serve the purpose of the most advanced and systematic methods of instruction. They are meeting with great favor and eliciting warm praise from all quarters, and cannot fail to be widely useful in improving and perfecting the study of Geography.

Maury's New Series of Geographies will be sent for examination or introduction, as follows: "Elementary," 50 cents; "Revised Manual," \$1.50; "Physical Geography," \$1.50; "Map Drawing," 15 cents. For further information, address University Publishing Company, 19 Murray Street, New York.

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THE NEW YORK NORMAL KINDERGARTEN SEMINARY.

The closing exercises this year of this excellent school were very interesting. The class, numbering about twenty, had been under Mrs. Kraus' charge for nearly a whole year; they were under her instruction daily, and practiced almost daily in the Kindergarten. The work done by Professor and Mrs. Kraus is so sincere and thorough that nothing but commendation and approbation is to be said. To be a kindergartner there must be a sympathy with children; and it must be a sympathy that is disposed to help them, and finally it must be a sympathy that *knows how to help them*. The teacher of children must have a mother's heart. She must be dextrous in handling the material so as to employ it for educative purposes.

The addresses of both Professor and Mrs. Kraus illustrated their views. The essays by the graduates were interesting and devoted to explaining the use and employment of the gifts and material. After the exercises there was a reunion of the graduates and much delightful intercourse.

The graduates of this Training School occupy positions that widely extend the work of Professor and Mrs. Kraus. They, too, estimate the education they have received as of a high and pure character, as something that has ennobled them, and are grateful. Too much cannot be said in praise of the work of these two devoted followers of Froebel. From New York they go to Martha's Vineyard to open a training department during the summer.

THE TEACHER'S WORK.

Down in the lower part of the city the old smith keeps hammering away at the cable-chain. He could make ten more links a day by skimping his work; but each link must be truly wrought; so he hammers on, in and out, through the long days, until his work is finished and he passes away and lies under the green sod in the church-yard. The chain, too, passes until it is found upon the deck of a noble ship, coiled limp and rusty around an anchor, and the passengers march up and down, spurning it with their feet as they pass, for it seems to be in their way.

But the day of sunshine goes by. The night comes on; the wind whistles in growing fury, and the mad waves leap like mountains. The yards snap, the masts give way, the vessel drifts, a hopeless wreck. Little bower anchor, great bower are gone. "Stand by, men; let go the sheet-anchor!" Out it falls into the seething surge, still limp and listless as it runs out, till at last the vessel is brought to bay, when the limp chain stands out in the tempest as stiff as an iron bar, so taut it seems to ring a song of triumph. It is the old blacksmith fighting the storm. Clink, clink, clink, he hammers on, till out in the night it is one man against sea, wind and storm, and the one man wins because fidelity is his. The storm passed by, the skies are clear and three hundred men gather to sing thanksgiving to God for deliverance.

Teacher, day by day in faithful work you are forging a chain that holds something more precious than the noblest vessel that ever floated at sea—the human soul; and by-and-by, when there comes some furious storm of temptation with its mad rage to drive the soul on eternal ruin, that which you have wrought—your faithful work—is stronger than cable-chain with links of steel, to hold that soul steadfast in its hour of trial, and when it is saved, something of the victory is yours. To-night there sits near my side a venerated father who was my teacher in my youth, and I thank God that the lessons I caught from his sermons and his teachings in the Bible-class have been to me an anchor-chain in many an hour of danger.—Rev. Dr. NICOLS.

DEATH OF EDMUND BENJAMIN.—No event has been more painful than the sudden death of this amiable young student. He was a member of the Junior Class of Columbia College, and was the coxswain of the University boat crew. At New London, June 23, where the crew was practicing, Benjamin went in bathing and was stricken with cramps and sank before help could reach him. The sudden death of their companion cast a gloom over the entire community and especially over the College boat crews, for Benjamin was popular and beloved as a companion and a student. As a close and ardent student he was noted in his college, as a kind and loving son he was the idol of his home. On June 26 his body was buried from his former residence, No. 43 East Sixty-seventh street. His Sunday-school class stood by the side of the coffin; there too were the members of the college faculty and students; flowers lay on the casket and numerous evidences showed how highly he was appreciated. He was an earnest and practical Christian; and leaves a precious memory behind him.

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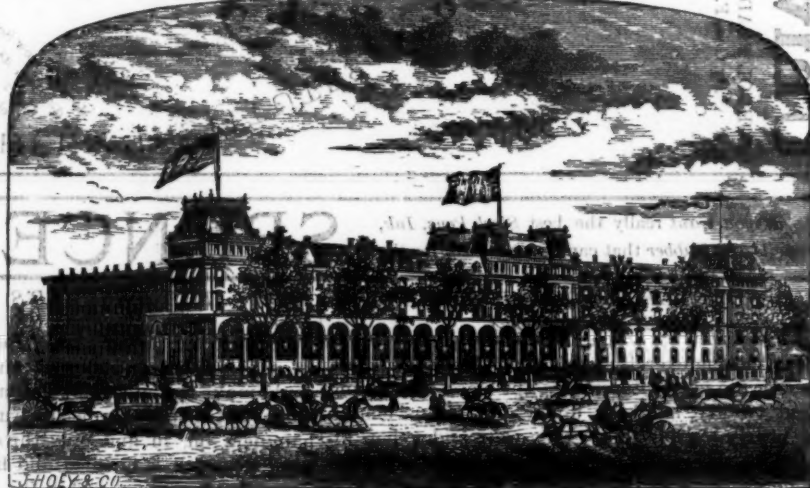
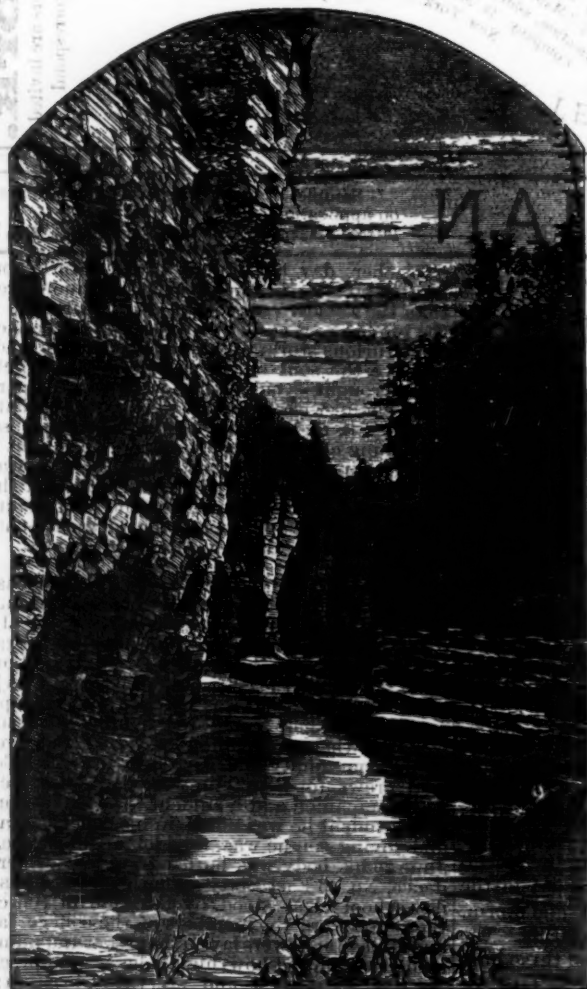
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CONGRESS HALL.

This famous hotel in Saratoga will be headquarters for two great Educational Associations this year, and judging from the excellent arrangements made for the State Association last year, it will be overwhelmingly patronized. The hotel is delightfully situated and the table and rooms are such as to please the most fastidious. Members will be charged \$2.50 per day for gentlemen and \$3 for ladies; but at these prices two occupy a room.

PROF. MILO PARKER JEWETT, first President of Vassar College, died in Milwaukee June 9. He was graduated at Dartmouth in 1832, and at Andover Theological Seminary in 1833. He was appointed a Professor in Marietta (Ga.) College in 1835, and held the position three years. He then became the first President of Vassar College. On retiring from that position he went to Milwaukee and formed a connection with a leading mercantile house. He continued to manifest great interest in educational matters, in the Milwaukee Female College, and in the public school system of Milwaukee.

A few days ago a little child gave expression to an old story in the following manner. It seems that the little fellow had discovered a bee crawling upon his hand. Finally the bee stopped for a moment, and after remaining stationary for an instant stung the little fellow. When the cry of pain was over the little child said to his mamma that he didn't care for the bee's walking about on him, but he didn't like his sitting down on him.

A FAMILY were just upon the eve of departure for Chicago on a two-weeks' visit with relatives. When the little girl knelt down to hsp her evening prayer she surprised her mother by closing, "Dood-bye, Dod, we're doin' to Chitad, an' 'oo won't see me adain for a long time." The first thing a man thinks of is himself, the second thing he thinks of is himself agin, and the third thing he thinks of is himself once more.—JOSE BILLINGS.

LAWS OF MENTAL DEVELOPMENT.

Fourth. "The mind can exercise only a definite amount of energy at one time. This amount increases only as the mind is developed." Hence, it follows:

(a) That the undeveloped mind, such as that of the child, can give attention to only one thing at a time.

(b) That in all explanations only one step should be presented at a time, and that that step, should be held before the mind until it is so sharply defined that it requires but little energy to hold it while a new step is undertaken.

(c) That illustrations should be simple and familiar, in order that the mental energy of the pupil may not be diverted from the very point illustrated.

Col. F. W. Parker, Supervisor of Schools, Boston, says: "In Calderwood's 'Relations of Mind to Brain' (page 4), you will find: 'As to the laws of observation, of association, of reasoning, of pleasurable feeling, there is all but perfect agreement among them (psychologists.)' All the teacher can do is to lead the mind to act under known laws, about which there is 'all but perfect agreement among all the great students of the mind.'"

Supt. Calkins of New York city, in his "Primary Object Lessons," says: "All the faculties are developed and invigorated by proper exercise; they may be enfeebled by being overtasked, or by being exercised on subjects which do not come within their proper sphere." "The natural process of education is from the simple to the complex; from the known to the kindred unknown; from facts to causes; things before names; ideas before words; principles before rules." "Perceptions lead to conceptions, or ideas, which are retained or recalled by memory. Imagination takes up the ideas formed through perceptions, combines and presents them in new forms. Reason proceeds to investigate these ideas by more definite modes, and judgment is the result."

In the statement of some of these laws we find remarkable agreement. The committee, in conclusion, re-state some of the laws in which there is general agreement:

1st. The powers of the mind are developed by proper exercise.

2d. The use of certain faculties is conditioned in the previous use of certain other faculties, and is also conditioned by age.

They give also other conclusions: 1st. Physical activity must accompany the best mental activity.

2d. The faculties may be enfeebled by being overtasked, or by being exercised on subjects which do not come within their proper sphere.

3d. Right habits are formed by the frequent and regular repetitions of acts. These acts must be rightly performed.

4th. The mind gains through the senses its knowledge of everything material.

5th. The mind takes a general view of things; then a particular.

6th. The mind is developed and strengthened in proportion to the proper and well-directed effort put forth.

7th. The natural order of development of the faculties is: 1st. Perception. 2d. Memory, especially connected with image making. 3d. Inferring, embodying induction, judgment, and all forms of reasoning. 4th. The constructive faculty, by which we plan and execute.

There are also two other faculties, the development of which should be carried on in connection with the development of the above mentioned faculties, viz.: The voluntary faculty, involving attention, decision and perseverance; and conscience, a knowledge of right and wrong.

Consciously or unconsciously, every teacher to a greater or lesser extent does follow these laws, or there can be but little educating. How much better for the teacher and better for the children if there be a thorough and conscious understanding of the laws of mental development, and a conscientious,

intelligent, earnest effort to follow them, remembering that the supreme end of education is not the acquirement of knowledge, nor the storing away of many facts, though these will be secured incidentally, but the development of the human mind.

"The profession of teacher carries, in every case, some special risks with it. The worst is that the man who adopts the profession may find on trial that he is not really suited for it. He will find this out before long, but it will not be by himself that the discovery will first be made. It will be by his class that he will be put to the proof, and it will be by their verdict that he will stand or fall. There is no appeal from this, and no escape from its results, if it chances to be adverse. With whatever name his office may be graced, and with whatever intellectual qualifications he may be endowed, there is one thing which he cannot do without, and that is the art of governing boys. There are, of course, degrees of failure. Some boys will be more critical than others, and will demand a higher standard of merit as the price at which they will render obedience. But whatever the standard may be, high or low, sad indeed is the fate of the master who does not come up to it. The temper which unfits him for his office renders him specially exposed to the inconveniences he has to endure while he holds it. The passionate man is provoked into making himself ridiculous. The unstable man is treated with undisguised contempt. Saddest of all is the lot of the nervous being who is sensitive to all criticism, and who shrinks from asserting himself for fear of the rebuff which experience teaches him to look for. The ruler of boys, like the ruler of men, is born and not made. It is not often that the manufactured specimen will serve. If it ever does it is when the process of manufacture has been begun so early as scarcely to be distinguishable from the work of nature herself."—The Times, England.

CONSUMPTION.

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SHORT-SIGHTEDNESS.

"How many children there are who are nearsighted!" is an exclamation frequently heard, and "What is the cause?" is a question that has excited the attention of many of the most prominent physicians in this and other countries.

"Shortsightedness has increased to so great an extent among the youths at the great Government School in France, that a committee was appointed some time ago to inquire into the subject. In their report the committee point out that the cause of the prevalence of the infirmity is to be found in the fact that the school books are printed in too small type, and that printing on white paper is still more hurtful.—N. Y. Sun.

A committee of physicians in Philadelphia a few years since also made a report of a similar character.

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NEW BOOKS.

MANUAL OF GEOGRAPHY. By M. F. Maury. Revised by Mytton Maury. New York: University Publishing Co.

One of the chief excellencies of Maury's Geography is the vividness with which he produces, in the pupil's mind, the pictures of the various places and objects of the globe as they would be painted upon the retina of the eye, by the sunbeam's pencil, if the same pupil was a witness of those places and objects. A second, but not less important excellence, is his constant aim to point out geographical laws, thus giving a foretaste of the pleasures which a more extended research will afford. A third excellence of Maury's Geography is the presentation of the subject in the character of a science, not a mere assemblage of disconnected facts. Land and air and ocean are treated as parts of a grand mechanism; rivers are treated as having important offices to perform, not a mere division of waters; mountains are shown as regulators of rainfall, not as mere masses of rock and soil of a certain elevation. Trade is shown to be in a special manner under the influence of geographical laws, consequently the geographical position and climate of a country determine its industries. A fourth excellence of Maury's Geography is the arrangement of its maps and map studies so that they face each other. These maps studies are not mere "questions on the map," but contain important and pleasing information of the country which the map represents. The maps of themselves are admirably executed and well adapted to the wants of the school-room. Beautifully colored physical maps are introduced in order to present and impress upon the mind the natural features of the surface of the earth. The volume also contains a Trade Voyage Chart, showing the prominent routes of commerce, and the leading exports of the world. The importance of map drawing is forcibly presented, and general directions for sketching maps on paper, slate or blackboard. The illustrations are highly instructive, and the press work is unsurpassed.

ASTRONOMY. By J. A. Gillett and W. J. Rolfe. New York and Chicago: Potter, Ainsworth & Co.

In the perusal of this work, we were deeply impressed with the freshness, the beauty and the accuracy of the illustrations. The authors give a brief and accurate account of the heavens as they are known to the astronomers of the present time, and impart all the information on the subject of astronomy that is needful to a person of ordinary culture. In their attempts to accomplish this aim, they have very wisely avoided dry and abstruse mathematical calculations, and yet they have introduced enough of mathematical astronomy to make clear the methods by which astronomers have gained their knowledge of the heavens.

The work is presented under three general heads or divisions. The first division contains an account of the real and apparent motions of the heavenly bodies. The method of the presentation of this subject is emphatically practical, and shows that the authors have a practical knowledge of the classroom.

The second division contains an account of the solar system. This division covers the largest portion of the volume, and is made invitingly attractive by the clearness of its descriptions and its unusually well prepared illustrations. Every subject from Kepler's three laws; through Newton's system of elliptical orbits; the form of the earth and her revolutions; the causes of day and night and their variations in length; duration of twilight; changes of seasons; tides; the weight of the earth and precessions; the moon, its motions and aspects; the sun, its physical and chemical conditions as revealed by the spectroscopic, its motion, its spots; the planets in all their various aspects, are illustrated in a manner within the comprehension of any ordinary academic student.

The third division contains a description of the stellar universe, including an account of the

aggregation of the stars into constellations and clusters, variability, motion and distance, and of Nebulae.

This work, as any one will see who carefully reads it, is not a revision of the Astronomy of the "Cambridge Course of Physics," by the same authors. It is a new work, and will be hailed with satisfaction by a large number of teachers whose schools suffer for the want of just such a book.

MODERN SCHOOL READERS. New York: Sheldon & Co.

This is a new series of readers, and embraces five books. The first book is divided into three parts. In the first part the child is taught to read by the "word method." On each page is a picture containing four prominent objects with which all children are familiar. Beneath the picture are words, the names of those objects, printed in bold faced type, and repeated in common type. One at a time the child learns to recognize the words. The second part teaches the phonic elements of which words are composed, one element at a time. In a similar manner the third part introduces script. The Second and Third Readers are composed of simple, easy and attractive reading lessons. Where new words are introduced they are arranged in the form of spelling lessons with appropriate diacritical marks. Variety is a distinguishing feature of the reading lessons throughout the entire series. Fourteen pages of the Fourth Reader are devoted to instructions in the principles of reading. It is surprising how much is taught on those fourteen pages. A new feature called "Elliptical Exercises," not found in any other American reader is introduced into the Fourth Reader. The object of the exercises is to teach pupils the correct use of such words as are pronounced alike but spelled differently. The binding surpasses that of any readers I have yet seen. They will bear the severest test to which a boy can subject them, unless he uses the hatchet. The first three are bound in full cloth, and the other two in cloth with leather backs. The illustrations are elegant, and, while occupying only a limited space they very fully illustrate the text. A vocabulary of all difficult words is placed at the end of the Third, Fourth, and Fifth Readers. The importance of storing the mind with gems of truth and beauty has not been overlooked in the selections introduced into the more advanced readers, nor in the original exercises contained in the First and Second. Messrs. Sheldon & Co., are to be congratulated for their successful efforts to furnish the schools with a superb series of readers.

BARNES' BRIEF HISTORY OF ANCIENT PEOPLES. New York and Chicago: A. S. Barnes & Co.

In their brief histories, A. S. Barnes & Co., have shown themselves benefactors to a large number of people who are too busy to read more elaborate works. The primary object of the publishers seems to have been to prepare a brief series for schools. The interesting, racy style in which they are written, judging from the three numbers that have already been prepared, will render them not less acceptable to the general reader. The excellencies in style and press work of the first two of the series—the Brief History of the United States, and the Brief History of France—are fully sustained in the Brief History of Ancient Peoples. The political history is condensed to the salient and essential facts, in order to give room for an outline of the literature, religion, character, habits, manners, etc., of the people of each nation. The cross references, the abundant dates in parenthesis, the pronunciation of the names in the index, the reading references at the close of each general subject, and the historical recreation in the appendix add much to the merit and usefulness of the work.

A FRENCH AND ENGLISH DICTIONARY. By Prof. E. Roubaud. New York: Cassell, Petter, Galpin & Co.

When we say these three things, viz: (1) That the work contains 1,152 pages. (2) That its price is \$1.50. (3) That it has reached the 120th edition, some idea will be formed of this dictionary. It is

indeed a very remarkable work, the type is clear, the binding and paper excellent and the price very low. Any person can now get a complete dictionary of the French language very cheap. This work follows the dictionary of the French Academy and gives the addition and corrections in that, up to the latest point. Besides this dictionary contains a second part, English into French. In short it contains every useful feature that should be found in a dictionary. It is compact and thoroughly accurate.

FIRST LESSONS IN GEOLOGY. By A. S. Packard, Jr., Professor of Geology and Zoology in Brown University, Providence, R. I.; Providence Lith. Co.

The work is designed as a text book to accompany a series of ten geological plates. The plates are 27 1-2x36 inches, containing fifteen diagrams, designed for use in schools. The diagrams are arranged in the form of landscapes and contain a number of restorations of American, Silurian, Devonian, Carboniferous, Jurassic, and Tertiary animals, by Prof. E. D. Cope, H. F. Osborn, and the editor.

The book is divided into ten chapters, each corresponding in number to the diagram illustrating the subject of the chapter. The first chapter treats of the geological formations by the action of water. After briefly stating the composition of granite, gneiss and trap, and giving a practical idea of stratification, the author shows how strata are formed by the action of rivers, aided by the action of frost, and by the movements of glaciers.

The second chapter treats of the action of heat. After conducting the housekeeper of New York 8,000 feet beneath the city, where she may broil her steak, and boil her tea-kettle without the trouble of building a fire, he leads the student to Mount Vesuvius to gaze upon a stream of lava over three thousand feet wide, and making its way down the valley of Fosso de la Ventrana at the rate of half a mile an hour, forming immense quantities of trap rock, basalt, and greenstone; then returning to America, shows how the great cascade range in Oregon was built up. To the action of volcanoes he adds that of earthquakes, relative changes in the level of land and sea, mountain building, and rock-making from sand, mud, etc.

The third chapter treats of America during the Silurian Period. The fourth, of America during the Devonian Period. The fifth, of America during Carboniferous Period. The sixth, of America during the Triassic and Jurassic Periods. The seventh, America during the Cretaceous Period. The ninth, treats of Northeastern America immediately before the Glacial Period, and the tenth, of North America during the Glacial Period.

The ten chapters present a summary of the leading events in the geological history of the American Continent, and the assemblages of life that have successively peopled its surface and gambled in the sea which washed its shores. The diagrams are striking in appearance, and in the brief space allotted, the author of the lessons, has done himself great credit, and has conferred a benefit upon those who have not time to study an exhaustive treatise. A clearer idea will be obtained by looking at these diagrams for an hour than in reading for months in a volume. The concrete method has had a good exemplification in the preparation of these diagrams and we earnestly recommend them.

A GEOGRAPHICAL READER. By James Johnnot, New York: D. Appleton & Co.

The experiment is to be tried in many schools of reading geography, and this volume has been prepared for this purpose. It is not supposed that the ordinary geography will be discarded; from that the great outlines of the construction and division of the earth's surface will be obtained. Then those striking features, such as mountains, glaciers, plains, rivers, lakes, animal life, cities, people, and their customs will be grasped by reading. There is another point to be considered. Pupils may be induced to read at times that the teacher would not demand they should study. They cannot and ought not to study all of the time, even in school; they naturally desire to be busy, and if care is not taken they will read worthless books. If there are copies of books containing useful knowledge at hand, they will please them—especially if they are well written.

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(Continued on page 16.)

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The arithmetics this house publish have a well deserved popularity; the History of England, by Supt. Stone, of Springfield, Mass., is one of the most complete little works we have ever seen. It does not seem possible to compress so much valuable matter in so small a space, but it has been done. The Meservey Book-keeping is a well-arranged volume and very popular.

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Ridpath's History of the United States, published by this firm was at once popular; it seemed to walk of itself into schools; it possessed excellent features. The same firm publish Prof. Milne's Arithmetics and Algebra. These are well prepared text books; the statements are clear and exact and the exercises arranged so as to facilitate the pupil's progress. Forbriger's Drawing Tablets we consider a great thing for drawing purposes.

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This firm have fine wall maps for schools. The outlines of the various countries are made very distinct and can be seen across a large room without straining the eyes. The tones of the colors are very pleasing and the whole effect is gratifying to the taste. They are large publishers in other directions; some accuse them of having started the fever for expensive illustrations; certainly they began to illustrate handsomely several years ago.

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This firm, now located at 18 Astor Place, New York, are publishing a red line edition of Poets, which, when the series is completed, will be the only complete line of Poets published in this country. The new design for the covers are especially attractive and as keeping with the superior quality of paper, press-work and binding. The illustrations are especially attractive and beautiful. A new feature is the new American Tree Calf Binding, which enhances the beauty of the work and is offered at very low rates. We bespeak a large sale of the Poets.

PUBLISHERS' CATALOGUES.

We have just received the new descriptive catalogue of Charles De Silver & Sons, publishers, Phila. The house has been prominently identified with the educational interests of the country for more than three-fourths of a century. Among its school publications we notice Frost's History of the United States, Lord's Modern Europe, Epes Sargent's works, Elocution by Prof. Corson, Hamiltonian Series of Interlinear Classics, etc., with a long list of miscellaneous and standard works.

A most notable serial publication has been put before the public in *Our Continent*. It is an elegantly printed weekly, handsomely illustrated and filled with first-class material. Scarcely a noted writer but is represented in its pages. We have unusual pleasure in reading this new literary journal. It will become a favorite with teachers, for Judge Tourgee has made a distinct mark on his time.

HOUGHTON'S CONSPICUOUS.

In another column will be found the advertisement of Houghton's Conspectus of the History of Political Parties and the Federal Government, published by Arthur V. Wiltse, No. 5 Dey street, New York. The Conspectus is all that is claimed for it. There is a mine of information written in its pages. It is a summary of the history of political parties, and thereby an epitome of the history of the American colonies during their advocacy of self-government and self-rights as early as 1607 and onward, and their issues with the mother country from 1636 to the unsheathing of the sword in 1775, is an item of history important to every American citizen, showing him, as no other work shows, the justice of their cause and the necessity of a separation and of a new political organization.

From the commencement of the War of the Revolution to the close of Hayee's administration scarcely a question arises on the history of the government and its political aspects, which we do not find readily answered; the beauty of it is that answers are so easily found and so clear and concisely expressed. As a work of reference it is invaluable. School boards, both of academic and public schools, can confer no greater benefit upon their constituents than to send at once for a copy, and give it a most thorough examination, for we doubt not a thorough examination will insure its introduction as a text-book—and the more thorough the examination the sooner it will be introduced.

We are glad to learn the work is meeting with unusually rapid sales, and that the publisher proposes to open a new field of recreation to teachers during the summer vacation, and in such a way as to make it financially the most profitable portion of the entire year.

KEUFFEL & ESSER.

When we look at the several fundamental branches of schooling and instruction in regard to their preparing and fitting for the purposes of active after-life, we will acknowledge that one of the first necessities of a general education is a good and legible handwriting. While a great deal of the knowledge which a generous schooling may impart to us will in time fade away to a greater or lesser degree in our memory, just as we may be put into a

position to make practical use of it or not, our proficiency in penmanship will stay with us all through life. Besides, just as it is of the first importance that our training be directed as regards our mental faculties in such a way that we may be able to form our thoughts and intents clearly and concisely; for without this there can be only partial success at best. So likewise it is undoubtedly most expedient that we should be at any time able to present the fruits of our intellect, when brought to bear, in an easily legible and clear manner. Teachers will gladly admit this, still they may find great difficulty in instructing pupil to shape his handwriting accordingly, be it from natural deficiency in perception or from the awkwardness of an untrained hand. Hence, to provide a method distinct from those already existing by which this essential accomplishment may be acquired without any great painstaking, in a comparatively short time and in a style at once neat, ornamental and easily executed, is to meet a requirement of the day. Soennecken's method of Round Writing—original and ornamental as it is—does this in the fullest degree, and its success is plainly shown in the fact that although first introduced in England only a few years since it has been adopted there to the largest extent. Comparatively little known as it is in this country as yet, steps have been taken to bring it prominently before the eyes of the teachers, and it is expected that they will be prompt in availing themselves of an opportunity to make a valuable addition to their own abilities, and through their far-reaching influence to give the widest publicity to a novel, practical and tasteful style of writing. See card of the sole agents, Messrs. Keuffel & Esser, New York, in this paper.

WEBSTER'S DICTIONARY.

It is enough to say that an unabridged dictionary is one that, next to the Bible, every teacher should have. Webster's possesses remarkable merits. The biographical part, the synonyms, the illustrations, the definitions and the whole make-up render it a help to the scholar he cannot do without.

ACME STATIONERY & PAPER CO.

This firm has been in existence about five years, and have a fine future before them. They started with a few lines of Manila pads, and now are manufacturing a large and varied line of the most staple school stationery. Their *Neutral Tint* papers are made of a strong and finely calendered paper suitable for either pen or pencil, and physicians say "that they are a benefit to the eye while white paper will cause near-sightedness." These qualities should recommend them to the teacher, and when extreme cheapness is added, there are few who will not use them. The factories of the company are turning out over a quarter of a million of pads a month—which shows that their efforts are appreciated. There will be a display of their goods at Yonkers and Saratoga, which teachers are invited to examine, or at their offices, No. 117 Fulton st., N. Y.

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The headquarters for apparatus for schools is now conceded to be at Baker & Pratt's, 19 Bond street. The entire second floor is fitted up to exhibit school desks, globes, etc., etc. We never go up there without finding some one trying the blackboards or looking at the maps. The floor above is filled with fine stationery goods; everything is first class. Mr. Olds, the general manager, whose office is on the second floor, has in our view the most attractive part of the house. By his urbanity he has won many friends and others will follow.

We would call the special attention of teachers and others needing philosophical or chemical apparatus, to the advertisement, in another column, of J. & B. Berge, New York. This firm is one of the oldest in this country in this line, and can be relied upon as furnishing apparatus of first class quality. They are very large importers from the best factories in Europe and also possess, perhaps, the best manufacturing facilities of any house in the country. Their new style air-pumps and new improved self-charging Holts electric machines are universally admired and liked. We advise correspondence with them.

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Continued on page 21.

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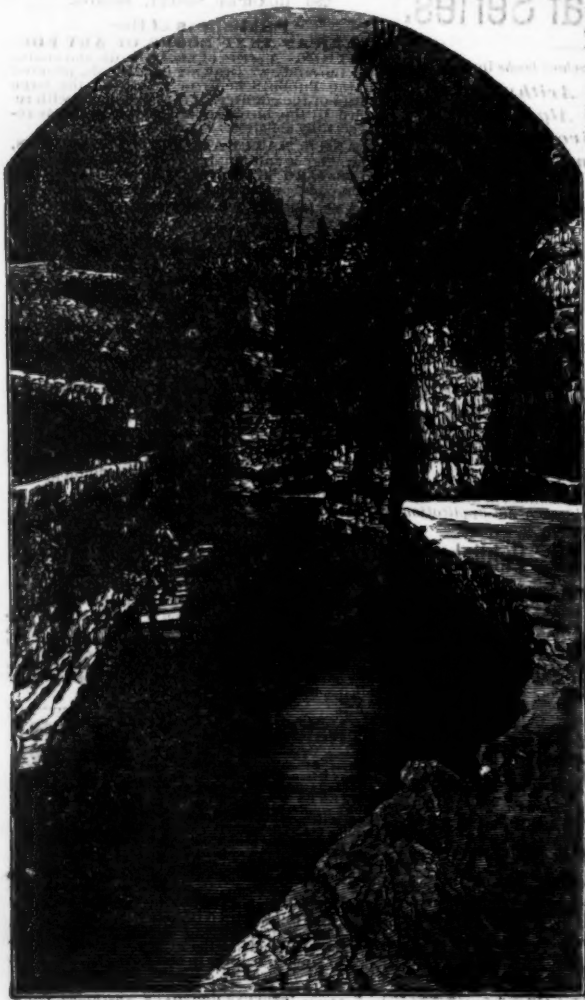
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AUSABLE CHASM.

It is quite probable that many of our readers will desire to make one of the excursions from Saratoga; and for a short trip there is nothing more interesting than the wonderful Ausable Chasm. It is easily reached from Saratoga by the Delaware and Hudson Company railroad to Port Kent, thence by stage. The Chasm is in the Ausable river, on its way from Keeseville to Lake Champlain. First the river falls about twenty feet into a semi-circular basin. A mile further on another precipice sends the water down a hundred and fifty feet amid the wildest



scenery. These are known as the Birmingham Falls. Horse Shoe Falls (taking their name from their circular shape) still further on, are nearly opposite the entrance to the Chasm; here great blocks of sandstone are piled one on another, looking like the smoothest masonry. Following the river, now rapidly narrowing, deepening and foaming, we come to the Chasm. The river is here incased in a channel from five to ten feet wide, whose walls rise abruptly from one hundred to two hundred feet in height. Lower down toward the lake the walls are sometimes fifty feet apart, descending perpendicu-



larly and extending in a lateral canal, with sharp turns and occasional widenings for nearly two miles. The entire scenery is wild beyond description.

Lateral fissures deep and narrow project from the main ravine at nearly right angles, and in one of these a stairway is built, to the hotel. One comes to the surface of the earth dazed with strange scenes he has witnessed.

The entire mass of the walls is formed of laminae of sandstone rock, laid in such regular and precise order by the hand of nature as to produce the effect of a grand architectural ruin. From the fissures of these walls pines and cedars project, and flinging their dark branches out over the Chasm, add to the wildness of the scene.

The trip through the Chasm is one of intense interest, and though a half day should be given to it, it can be made in two hours. The boat ride over the last half mile is one of the great features of this passage through a land of surprises, and the novel sensation of shooting the rapids and floating over unknown depths, although accomplished in perfectly safe boats, under the guidance of trust worthy boatmen, is something long to be remembered.

There are many strange features to be met with among them. Pulpit Rock is a favorite with tourists.

GIRLS AND BOYS.

The late examination of 924 girls for the Normal College showed 73 per cent. were prepared to enter and of 807 boys only 48 per cent. were prepared to enter the City College. From this some astute persons have reasoned that the men who taught the boys were not as good teachers as the women who taught the girls. This is a lame conclusion indeed. There are several causes for this result, for failure it is not. (1) A girl is a better memorizer than a boy. It is not an uncommon thing for a younger sister to be sent with her brother on important errands to remind him of details. Women can remember in shopping without any list whatever. In schools the girl's memory enables her to commit faster than a boy. (2) The Normal College has a course of study that attracts the girls; it fits them for wage-earning; they must get into it. Not so with the City College. (3) All the boys who go up for examination do not go into the City College if they pass an examination; they go as a matter of custom to the City College. (4) They will tell the teacher and whoop them with "learn you lesson or you cannot get into college." "I don't care; I shall go into business."

No one who considers the matter but thinks the 48 per cent. of the boys a good result. No prizes will increase it. There are natural reasons to offer for it.

BOSTON.—The commencement exercises of the Institute of Technology, on May 30, were interrupted by the sudden death of Prof. Rogers. He had been introduced by President Walker and had begun his address, when he suddenly stopped, and fell backward, striking his head heavily against the naked floor. He was removed to a room in the rear of the platform, and every effort made for his restoration, but he died in about twenty minutes. His disease is supposed to have been apoplexy. Prof. Rogers was a native of Philadelphia, a graduate of William and Mary College, a professor in the University of Virginia, a distinguished geologist, and one of the founders of the American Association for the advancement of science. He drew up a scheme for organizing the Institute of Technology, of which he was the first president. He retired from the office last year, having reached the age of 76, but continued his connection with it as a professor emeritus, and died within its walls.

THE PUBLIC LANDS.—Congress granted to seven corporations, to build certain railroads, about 115,500,000 acres of valuable land. These grants cover an area larger than Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, Pennsylvania, New Jersey, and Maryland. They were distributed as follows: Atlantic and Pacific, 40,009,650 acres; Texas Pacific, 14,309,700 acres; Northern Pacific, 48,275,040 acres; Oregon

branch, Central Pacific; 2,126,526 acres; Oregon and California, 3,791,760 acres; Southern Pacific, 5,511,264 acres; New Orleans Pacific, 903,218 acres. There remain in round numbers over 82,500,000 acres; these would give homes to nearly three millions of people, allowing the general average of five to a family. At the minimum price, the lands would be worth over \$209,000,000. These facts are worthy of the gravest consideration. The best public lands are diminishing rapidly. What will Congress do with these lands?

CONGRESS.—In the General Deficiency Bill which was under discussion in the House of Representatives last week, the expenses of the Yorktown Centennial Commission led to a spicy debate. Mr. Cobb, of Indiana, sent up to the clerk, to be read, an itemized account of all the expenses of the entertainment, including the supplies used on the steamer between the City of Washington and Yorktown and at Yorktown. The bill for rum and cigars was \$6,529.94. The wonder is that any committee appointed by Congress could so disgrace themselves, disgrace the celebration, disgrace the country, and so offend the moral sense of all right thinking people.

In the year 1777 considerable interest was manifested in an announcement that six stoves had been completed in Philadelphia. The annual product of the stove foundries in that city is now valued at \$4,000,000, and the industry supports about twelve thousand people.



On May 24 Queen Victoria completed her 63d year, an age which has been exceeded by eleven only of the sovereigns of England, dating from the Norman Conquest, viz.: Henry I., Henry III., Edward I., Edward III., Queen Elizabeth, James II., George I., George II., George III., George IV., and William IV. On the 30th of June her Majesty had reigned over the United Kingdom for forty-five years, a reign which in length has been exceeded by those of three only of the Kings of England, viz.: Henry III., Edward III., and George III.

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Continued from page 18.

low also. For school purposes the single leaf, silicated on both sides, is one of the nearest of articles; it can be used as a slate and put between the leaves of the arithmetic; thus it is light, portable, never breaks, noiseless, and a lead pencil can be used. For blackboard surfaces the silicate is probably the best in the market. W. were the first to use it and know its merits. Besides, its simplicity is so great that any one can apply it, even a child.

THE DIXON AMERICAN GRAPHITE PENCILS have already assumed a position at the head of the pencil trade. The manufacturers never offer a new article to the public, unless it is better than anything in market intended for the same use. A perfect pencil should be strong, smooth, black, soft, uniform and reliable, hold its point well in wear, and be pleasant to use; the mark should disappear entirely under a good rubber, leaving the paper clean. All of these qualities they have obtained in their pencils beyond anything heretofore produced. Their hard grades can be sharpened to a needle-point, and are capable of finer lines than any other pencils. The illustrations in "Knight's Mechanical Dictionary" are the finest ever engraved on wood; they were drawn with the Dixon VVH pencils. The finest pencil landscapes we have ever seen were drawn with the Dixon M and SM grades, by Prof. M. Morse of New York, who is the most perfect master of the pencil in this country, and who gives his unqualified preference to Dixon's American graphite pencils over all others for art work. They refer by special permission to such artists as MEISSONIER of Paris, and to many prominent American artists, and to the leading members of the American Institute of Mining Engineers, and to thousands of prominent professional gentlemen throughout the country.

The impulse given to American penmanship by Spencer is well defined. He left a mark more enduring than almost any one of the century; his descendants are justly proud of it. American handwriting is excellent—clear, current and harmonious. The firm of Iverson, Blakeman, Taylor & Co., who publish the Spencerian Penmanship, also deal in a special style of steel pens, the "Spencerian." They are admirably fitted for this purpose and are immensely popular.

"No YOU DON'T," said a level-headed old farmer the other day, to an oily-tongued agent who was trying to convince him that the only way to secure happiness here, and hereafter, was to purchase one of those bogus 27 stop wood-piles which are being palmed off upon the public. "That's few much stop for me. Give me futhin' that's got some go to it; and stranger, while we're talkin' 'bout it, hadn't ye betted be goin' yerself? And when ye call 'round in these 'ere diggins again don't make more'n 35 or 40 stops ter my house." He went. The farmer bought a "Carpenter" and lived happy ever afterwards.

THE Teachers Provident Association, of which Mr. E. O. Hovey, Principal of the Newark High School is President, and Arthur Cooper, Business Manager deserves the attention of teachers. It insures on a mutual plan. You and others pay \$1.00, and then the family at death get the fund thus contributed. It is cheap, safe and deserves support.

ESTERBROOK & Co. are widely known as makers of steel pens at Camden, N. J. They deserve the success their enterprise has brought them. Right here we will admit that our writing is done with Esterbrook's steel pens. The firm sends us their pens for trial from time to time, and we find them very serviceable.

There is no more interesting reading than the beginning in life made by Gillott, the eminent maker of steel pens. The steel pen was then costly and clumsy. Mr. Gillott took hold of the business in its infancy, and by incessant labor made pens cheaply and excellently. The name of Gillott is now identified with steel pens; skillful work and persistent advertising has done this.

The Sohmer Piano is a remarkably well-made instrument; it receives commendation from all who comprehend what a piano should be. In volume, purity, evenness of tone, elasticity of touch and excellent workmanship the Sohmer piano excels. At the exhibition at Montreal in 1881 they received the "first prize diploma of honor."

Continued on page 22.

It takes some grit to make up a box of stationery at this season of the year.

PARKER'S HAIR BAISAM.

This elegant dressing is preferred by those who have used it, to any similar article, on account of its superior cleanliness and purity. It contains materials only that are beneficial to the scalp and hair and always restores the youthful color to grey or faded hair. Parker's Hair Baisam is finely perfumed and is warranted to prevent falling of the hair and to remove dandruff and itching. HUSCOX & Co., N.Y. 50c. and \$1. size, at dealers in drugs and medicines.

PARKER'S GINGER TONIC

A Superlative Health and Strength Restorer. If you are a mechanic or farmer, worn out with overwork, or a mother run down by family or household duties, try Parker's Ginger Tonic. If you are a lawyer, minister or business man exhausted by mental strain or anxious cares, do not take intoxicating stimulants, but use Parker's Ginger Tonic. If you have consumption, dyspepsia, rheumatism, kidney complaint, or any disorder of the lungs, stomach, bowels, blood or nerves, PARKER'S GINGER TONIC will cure you. It is the Greatest Blood Purifier and the Best and Surest Cough Cure Ever Used. If you are wasting away from age, dissipation or any disease or weakness, and require a stimulant take Parker's Ginger Tonic. It will invigorate and build you up from the first dose but will never intoxicate. It has saved hundreds of lives; it may save yours. CAUTION!—Beware of all substitutes. Parker's Ginger Tonic is composed of the best remedial agents in the world, and is entirely different from preparations of ginger alone. Send for Circular to HUSCOX & Co., N.Y. 50c. and \$1. size, at dealers in drugs. GREAT SAVING BUYING DOLLAR SIZE.

FLORESTON

Its rich and lasting fragrance has made this delightful perfume exceedingly popular. There is nothing like it. Insist upon having Floreston Cologne and look for signature of

Herbert & Co.
on every bottle. Any drug store or dealer in N. Y. or can supply you. \$2.50 and \$5.00 sizes.
LARGE SAVING BUYING THE SIZE.

COLOGNE.

AGENTS! AGENTS! AGENTS! GEN. DODGE has a new book, first published, entitled **THIRTY-THREE YEARS AMONG OUR WILD INDIANS**

is the grandest chance ever offered to you. Introduction by GEN. HICKMAN. This superbly illustrated, first class and thrilling work contains all others 10 to 1, and is the finest selling book ever published. Agents average 10 to 20 orders a day. 75¢ in thousands in price. First class AGENTS WANT! B. Exclusive Territory. Send for Circulars to A. B. WORTHINGTON & Co., Hartford, Conn.

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ONE Elegant Imported Birthday Card, 10c.; Two Beautiful Scripture Text Cards, 10c.; Five Reward Cards, 40c.; 30 Fine White Gold Edge Cards, 10c. For 30c. will send all four. Sample Book 25c.—F. M. SHAW & Co., Jersey City, N. J.

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The prime object of this Association is to afford aid, upon safe business principles, to all Teachers, School officials, and members of the educational profession generally. Hundred of thousands of laboring men have their assets of this character throughout the country; why should Teachers neglect this co-operative duty to themselves and their families any longer? Send for prospectus, giving complete details, to ARTHUR COOPER, Business Manager, 47 Grand St. New York City

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This useful and elegant volume is a complete Library and Encyclopedia, as well as the best Dictionary in the world—superior to all others in Clarity and Gilt. It contains every word of the English language, with its true meaning, derivation, and all pronunciation, and a vast amount of statistical information for reference. Webster's Dictionary costs \$5.00, and the American Popular Dictionary costs only \$1.00. "Worth ten times the money."—N. Y. Times. We have never seen the equal, either in price, quality or contents. A perfect Dictionary and Library of Reference. "Ladies' 11c. New N. Y. One copy of the American Popular Dictionary illustrated, the greatest and best book ever published, postpaid, to any address on receipt of only \$1.00. Entire satisfaction guaranteed. Two copies postpaid for \$2.00. A GRAND HOLIDAY PRESENT. Order at once. This offer good for 30 days only. Post office order, or check. \$2.00 copies sold in two months. Address H. C. DEAN, Publisher, 222 Metropolitan Block, Chicago, Ill.

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TROY, N. Y. Manufacture a superior quality of Bells. Special attention given to CHURCH AND SCHOOL BELL. Illustrated Catalogue sent free to all upon request. \$5 to \$20 per day at home. Samples worth \$5 free. Address BISHOP & Co., Portland Me.

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"By a thorough knowledge of the natural laws which govern the operation of digestion and nutrition, and by a careful application of the fine properties of well-selected Cocoa, Mr. Epps has provided our breakfast tables with a delicately flavored beverage which may save us many heavy doctors' bills. It is by the judicious use of such articles of diet that a constitution may be gradually built up until strong enough to resist every tendency to disease. Hundreds of subtle maladies are floating around us ready to attack wherever there is a weak point. We may escape many a fatal shaft by keeping ourselves well fortified with pure blood and a properly nourished frame."—Lancet Service Gazette. Made simply with boiling water or milk. Sold in this only (5 lb. and 1 lb.) labeled, JAMES EPPS & Co., Homoeopathic Chemists, London, England.

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Do not neglect YOUR OWN INTERESTS by purchasing until you have received our finely illustrated and copious catalogue. Sent free to any address. THE COLUMBUS BUGGY CO., Columbus, Ohio, is the largest factory in the world for first-class Buggies, Phaetons, Surreys and Carriages, and do give more real value for the money than any other manufacturers. Dealers sell our vehicles everywhere. Name of nearest will be sent with prices.

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Leading Numbers: 14, 048, 130, 333, 161.

For Sale by all Stationers.

THE ESTERBROOK STEEL PEN CO., Works, Camden, N. J. 26 John St., New York.

ELMWOOD HALL, 48 Front St., (near Broadway) Saratoga Springs, N. Y.

EMORY POTTER, Proprietor. Open all year. Central to Springs. No better location in Saratoga. Terms during Summer season, \$1.25 to \$2.00 per day. Balance of the Year, reduced rates.

MENEELY BELL FOUNDRY.

Favorably known to the public since 1850. Church, Chapel, School, Fire Alarm and other bells; also Chimes and Peals. MENEELY & CO., WEST TROY, N. Y.

BUCKEYE BELL FOUNDRY.

Bells of Pure Copper and Tin for Churches, Schools, Fire Alarms, Farms, etc. FULLY WARRANTED. Catalogue sent free. VANDUZEN & TIFF, Cincinnati, O.

(Continued from page 21.)

Mr. E. G. Rideout is one of the most enterprising of our citizens. He publishes several papers, and sells a great variety of merchandise. We have watched his steady progress and must say that we esteem him as perfectly reliable. In fact, his business is too large and valuable for him to be safely otherwise. But he is at heart a pushing, energetic and honest man.

Prof. J. C. O. Redington, has started up a "craze" for singing, by publishing some books at a cheap price. In fact he gives them away. See his explanation of this anomaly.

When an article receives a strong endorsement of superiority from the Paris Exposition, the London World's Fair, the Centennial Exhibition and Exhibition of the American Institute, it is plain it must have merits. Such was the case with the Glove-fitting and Crown Corsets of Thomson, Langdon & Co. of New York. And the ladies endorse them by wearing them, and this is the best certificate of all.

FOY, HARMON & CO.

The corsets made by this firm are deemed to be superior in many respects. They are said by the ladies to be comfortable, and not have the oppressiveness so often complained of in the common corsets. These are desirable traits.

THE ELECTRIC CORSET.

Dr. Scott invented the electric hair-brushes, which one of our writers declares to be an excellent thing. He now presents a corset and girdle made on the same plan. Electricity is extensively used now as a curative agent; the advantage these articles possess is found in the fact that they allow one to go about his daily avocations and still receive the effect of the electric currents.

Dr. Holman's Pad is so well known, so universally acknowledged and so thoroughly demonstrated in hundreds of thousands of cases, that to elaborate upon the virtues of this remarkable remedy seems almost like painting the lily and gilding refined gold. No remedy ever known to man has received such an emphatic popular endorsement as this.

*Why is Mrs. Lydia E. Pinkham's Vegetable Compound like the Mississippi river in a spring freshet? Because the immense volume of this healing river moves with such momentum that it sweeps away all obstacles and is literally flooding the country.

The National Library in Paris, the largest in the world, contains over two million volumes. What an army, provided with Esterbrook's business and engraving pens, would be required to write out the original manuscripts.

THE man or woman who neglects to read advertisements loses a very valuable means of instruction. Advertisements may be called "current encyclopedias." When it costs 10 to 100 cents per line to describe an article, that article is most likely to be described in as brief and forcible terms as possible; and new advertisers, particularly, make their descriptions very short. But when the merit is recognized, and the advertiser stands on solid ground, then he can afford to spread his advertisement over a greater space in such a way that it cannot be overlooked.

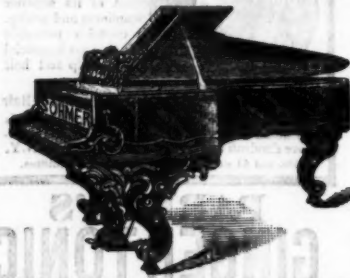
Bear this in mind: whatever is new and valuable will be advertised. That is the natural result of the owner's confidence in its value. And remember another thing: one mention of a new or valuable thing is not going to effect sales, any more than one drop of water will wear a stone; but just so surely as the continued dropping of water will wear a stone, so surely will advertising of a good thing bring customers. People understand these matters now, and the intelligent reader usually scans the advertisements before he lays his paper down; and he always finds profit in it.

LECTURER: "Art can never improve nature." Auditor: "Can't? Well, then, how do you think you would look without your wig?" Another auditor: "Much better than he does now."

SOHMER

GRAND SQUARE AND UPRIGHT PIANOS.

Received First Medal of Merit
and Diploma of Honor at the
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First Prize Diploma of Honor
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Diploma of Special Excellence
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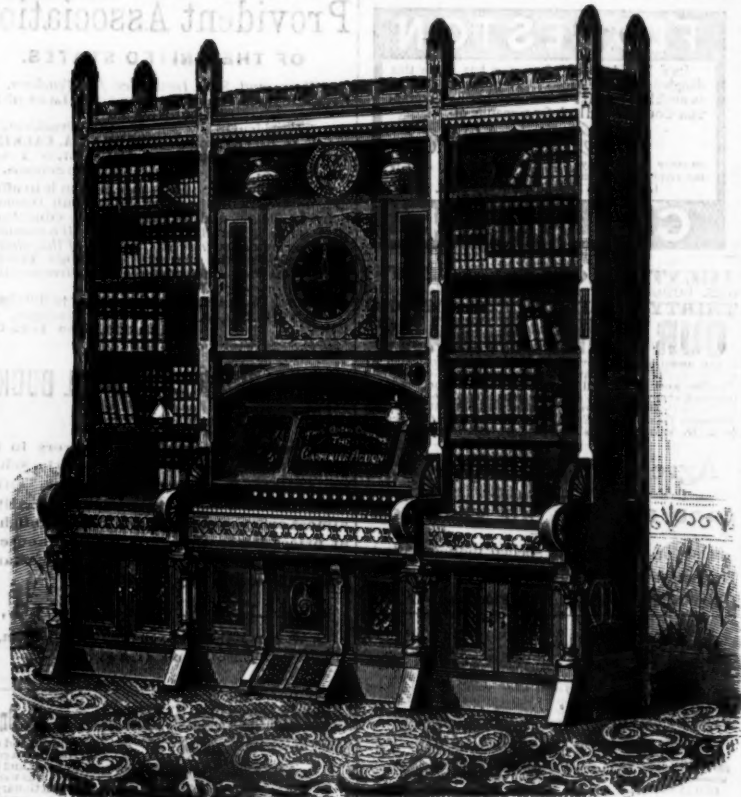
SOHMER & CO., Manufacturers, 149 to 155 East 14th Street, New York.

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LIBRARY ORGAN.

Containing the Celebrated Carpenter Organ Action.

THIS IS ONLY ONE OF ONE HUNDRED DIFFERENT STYLES



SOMETHING ENTIRELY NEW.

THE AESTHETIC TASTE SATISFIED.

This effective and beautiful design in the modern Queen Anne Style is intended to meet the demands of those desiring an instrument of special elegance, and in harmony with the fittings and furnishings of the Study or Library Room, combining as it does, in a substantial and tasteful manner, the Organ, the Library Case, and the Cabinet for bric-a-brac and articles of vertu.

It is well adapted to find favor in homes of culture and refinement, and will be championed by the music lover and connoisseur.

The composition is one of well balanced proportions, chase subordination of ornamentation, and of artistic arrangement in constructive details, imparting to the design a rich simplicity and substantial worth.

This beautiful Organ contains the Celebrated Carpenter Organ Action. The action is to an organ what the work is to a watch. The merits of the Carpenter Organ were fully proved on page 108 of the YOUTH'S COMPANION of April 20th, to which special attention is directed.

A beautiful 100-page Catalogue, the finest of its kind ever published, is now ready and will be sent free to all applying for it.

NEARLY ALL RELIABLE DEALERS sell the Carpenter Organs, but if any do not have them to show you, write to us for a Catalogue and information where you can see them. DO NOT BUY ANY ORGAN UNTIL YOU HAVE EXAMINED "THE CARPENTER ORGAN." In writing for a Catalogue always state that you saw this advertisement in the School Journal.

Address or call upon E. P. CARPENTER, Worcester, Mass., U. S. A.

ESTLEY
ORGANS
are well made,
with good tone
and good taste.
Illustrated Catalogues sent free.
J. ESTLEY & CO., Brattleboro, Vt.

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PIANO.

THE HIGHEST AWARDS were granted
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Great Exposition in Paris, 1867; at the International
Exposition in Chili, 1875; and at the Grand
Centennial Exhibition in Philadelphia, 1876.

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our Warerooms.

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Circular Free. Wm. M. Walker & Co.,
Box 938, Rochester, N. Y.



SEND for Catalogue of the M. V. Institute to
J. K. BUCKLYN, Mystic Bridge, Ct.



WE WANT 100,000 American Teachers to use ESTERBROOK'S genuine American Steel Pens. They are confidently presented to their attention on the ground of merit and economy, as they possess every quality that belongs to first-class School Pens. Their standard Nos. 333, 444, 128, are especially recommended. Orders through the Stationers and Newsdealers.

THE ESTERBROOK STEEL PEN CO., 26 John Street, New York.

ORIGIN OF NAMES IN THE WEEK.—In the museum at Berlin, in the hall devoted to the Northern antiquities, they have the representations of the idols from which the names of the days of the week are derived. From the idol of the Sun comes Sunday. This idol is represented with his face like the sun, holding a burning wheel, with both hands on his breast, signifying his course round the world. The idol of the Moon, from which comes Monday, is habited in a short coat, like a man, but is holding the moon in his hands. Tuisko, from which comes Tuesday, was one of the most ancient and popular gods of the Germans, and is represented in his garments of skin, according to their peculiar manner of clothing; the third day of the week was dedicated to his worship. Woden, from which comes Wednesday, was a valiant prince among the Saxons; his image was prayed to for victory. Thor, from whence comes Thursday, is seated in a bed, holding a scepter in his hand, with twelve stars over his head. Friga, from whence we have Friday, is represented with a drawn sword in his right hand and a bow in his left. Seater, from which is Saturday, has the appearance of perfect wretchedness. He is thin visaged, long haired, with a long beard. He carries a pail of water in his right hand, wherein are fruits and flowers.

NEW BLEACHING PROCESS.—A new process for bleaching manufactured cottons, especially cotton on bobbins, is thus described: The cotton is placed in a closed reservoir lined with lead. The reservoir is about sixteen feet long, seven feet broad and five feet deep, and can hold 800 pounds of cotton. A rubber tube connects the reservoir with an apparatus in which about three cubic yards of chloroform vapor are set free by using sulphuric acid on a mixture consisting of one part quicklime, one part chloride of lime, one part spirits of wine or acetic acid and four parts of water. The vapor is conducted into the reservoir, where for about two hours a pressure of two atmospheres is put on the cotton, after which the bleaching is accomplished. Afterward a mixture of hydrogen, carbonic acid and sulphuric ether, produced in a Wolff bottle, is passed over the cotton and in fifteen minutes all smell has left the bobbins.

AN IMPORTANT FOOD PRODUCT.

(From the New York *Scientific Times*, March 11, 1892)
Murdock's Liquid Food.—For Infants, Invalids, Convalescents, etc.

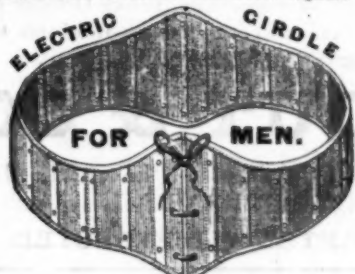
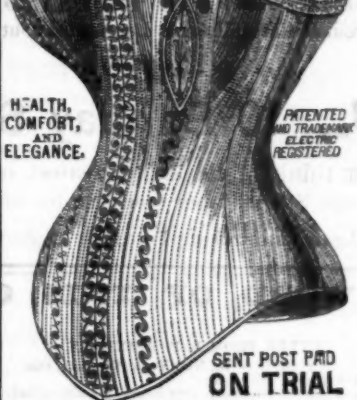
The great length to which the adulteration of our food products have been carried of late, and the want of any adequate laws to restrain offenders and to punish unscrupulous dealers, have led humanitarian and scientific men to discuss the possibility of reducing food to its original elements, and eliminating therefrom all harmful ingredients. The experience of physicians and of persons in charge of the sick in hospitals and elsewhere demonstrated that recovery is often delayed and sometimes entirely prevented by the want of nourishing substances with which the valuating patient could be fed. Nature is often too weak to manage and administer even the most wholesome articles, which, with the body in vigorous condition, would be adequate for its support. Especially is this the case with infants, who are thus made to suffer for the want of knowledge of those in whose charge they may chance to be. Among the most successful attempts to invent an artificial food is the article known as "Murdock's Liquid Food," prepared by the company of that name in Boston. It is so read as a maker of pure blood, which supplies in such controlling quantities as to expel the weak and impure blood engendered by disease from the system, and to fill its place with a life-giving, health-restoring fluid. It is beyond our limits to relate the cases treated with and cured by this wonderful agent. Those curious or interested in the matter should owe no time to applying to any druggist or the company for an essay read before the American Medical Association, at Richmond, Va., representing the medical societies of the United States. The enclosure contains other testimonials from physicians, and both enumerate cases in which the following diseases have been not only reversed, but cured: Consumption, scrofula, rickets and general debility, dyspepsia, acute and constipation, diphtheria, impetigo, infantile cholera, and diarrhoea, malarial and other fevers, vesicula, scurvy, gangrene, etc. The weakest stomach will retain it, and it is said to be the only thing shown in the shape of food that will relieve the hunger of the consumptive patient. Very young babies live on half the usual quantity of milk, and no case of infantile malnutrition has been known where it was used. Physicians who have seen its working, are enthusiastic in its favor. It seems to fill a want long felt in medical circles for some pure blood-making article which can be used with absolute safety and in all cases.

DR. SCOTT'S ELECTRIC CORSET FOR WOMEN. DR. SCOTT'S ELECTRIC GIRDLE FOR MEN.

By a happy thought Dr. SCOTT, of London, inventor of the celebrated Electric Brushes, has adapted Electro-Magnetism to Ladies' Corsets and Gentlemen's Girdles, thus bringing this wonderful curative agency within the reach of every person. They should be tried at once by those suffering from any bodily ailment, and all who wish to

WARD OFF AND CURE DISEASE,

Preserve good health, retain and improve the elegance of the figure, should give them an immediate trial. It has been found that electric treatment makes the muscles and tissues more plastic and yielding, and it is argued from this that Ladies who wear these corsets will have no difficulty in moulding the figure to any desired form, without tight lacing. A tendency to extreme fatness or leanness is a disease which, in most cases, these articles will be found to cure. The Corsets do not differ in appearance from those usually worn, but are made of superior materials and are elegant in shape (see cut). They are worn the same, and fit the same, but give a more graceful figure. In place of the ordinary steel busks in front, and a rib or two at the back, Dr. Scott inserts steel magnets which closely resemble the usual steel busks and ribs. By this means he is able to bring the magnetic power into constant contact with all the vital organs, and yet preserve the symmetry and lightness so desirable in a good corset or girdle. Being made with better material and workmanship than any corset sold, they will outwear three of those commonly used. Always doing good, never harm, there is no shock or sensation whatever felt in wearing them. They are all of the same quality, differing only in size. The material is white, fine, and texture beautiful, and is embroidered and trimmed. Their power can be ways be tested by a silver compass which accompanies each corset and girdle.



Most of the above Remarks apply equally to

The Electric Girdle for Gentlemen. It is a long felt want, possessing wonderful curative powers and life-giving properties. The debilitated particularly should wear them at once, and those now enjoying robust health should also wear them as a preventative of disease. They brace up and invigorate the whole system, and their vitalizing influence is quickly felt.

These articles are specially recommended in all cases of Debility, Nervous Complaints, Rheumatism, Dyspepsia, Constipation, Liver and Kidney troubles, Malaria, Impaired Circulation, and where there is a lack of vigor and failing health.

Professional men affirm that there is hardly a disease which Electricity and Magnetism will not benefit or cure.
Dr. W. A. HAMMOND, of N. Y., late Surgeon-Gen. of the U. S., an eminent authority, publishes almost miraculous cures made by him with these agencies.

The Secretary of the Pall Mall Electric Association of London "earnestly recommends all persons," "sick or well, to wear," "these corsets and girdles," "they perform as," "tonifying cures, invigorate the whole system," "and prevent disease."

We will send either the Corset or Girdle, on trial, postpaid, on receipt of \$3.00, which will be returned if not as represented. Be careful to send exact size of waist, measured outside the lacing. Enclose 10 cents extra and we guarantee safe delivery. We will send it by express, C. O. D., at your expense, with privilege of examination—at expressage adds considerably to your cost. Or request your nearest Druggist, Dry Goods or Haberdashery store to obtain one for you. Be careful to have imposed upon by some imitator. Be sure that Dr. Scott's name is on the Corset or Girdle, and box; take no other. Remittances should be made payable to

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Institute Fair, New York.
This cut is a correct representation of our E. H. quality. If you cannot find this most desirable Corset where you are accustomed to purchase, we will send you ONE DOLLAR, postage free. The best value in the world for the money. Our celebrated G. extra quality, \$1.50. For crossed Bone, \$2.25. Send for descriptive Catalogue of other Styles.

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Union Undergarments, Vest and drawers to one. Made in all weights of lino and Cashmere. Chemises, Princess Skirts, Emancipation Dress Reform and Comfort Waists, Corsets, and a Special New Illustration. MRS. A. FLETCHER, 6 E. 14th St., N. Y. City.

EMPLOYMENT FOR LADIES.
The Queen City Superior Company of Cincinnati, are now manufacturing and putting out their new Household Supporters for Ladies and Children, and their unequalled Shirt Waists. They are the only agents to sell them in every household. They are everywhere in demand, and make a handsome addition to the wardrobe of every lady. Address, Queen City Superior Co., Cincinnati, O. 177 Lehigh Pl. Cincinnati, O.

FREE TO ALL!
A Charming Story Paper for Six Months and Five Valuable Premiums! The publisher of the old, reliable people's favorite literary and family paper, The Cricket on the Hearth, now makes the following offer of the season! Although the circulation of this charming paper is now enormous, we desire to obtain 100,000 new subscribers within the next three months, and shall spare no expense to accomplish this object. Read this! If you will send us 60 cents in postage stamps, to pay for postage and labor involved, and to help pay the cost of this advertisement, we will send you The Cricket on the Hearth for Six Months, Valuable Five Valuable Premiums, as follows: 1. An Album of Presidential Portraits, containing fine photographs of each of the Presidents from Washington to Arthur, with interesting dates of birth, inaugurations and death, the whole neatly bound and forming a most useful and valuable souvenir. 2. Ladies' Fine Embroidered Lawn Pocket Handkerchiefs, elegantly embroidered in colors of very fine quality. 3. Becker's Musical Chord, a new invention, by the aid of which any one can learn to play upon the piano or organ in a very short time. 4. Twenty-six Embroidered and Needle Work Designs, the latest publications of the leading fashion journals of Europe. 5. The Most Lovable Things on Earth, one of the most beautiful household games ever invented. The Cricket on the Hearth is a mammoth 16-page, 40-column paper, containing all the best papers of the kind published. You now have an opportunity to obtain it free for six months, with five magnificent premiums, as the 60 cents is a mere trifling postage cost. Reader, we have made you a wonderfully liberal offer. Will you accept it? For \$1.00, for postage, etc., we will send three subscriptions and three sets of premiums. Perfect satisfaction guaranteed or money refunded. We refer, as to our reliability, to any newspaper published in New York City. Address, S. H. MOORE, Publisher, 3 Park Place, N. Y.

Books for Teachers

Every teacher should own a number of standard professional books. He needs them as much as the physician and lawyer need professional works. Do you, reader, own one? Two? We have sold thousands of volumes, and yet there are 200,000 teachers to-day that have nothing that is prepared specially to aid them in their work! It is a state of educational benightedness.

We have selected a few volumes of really standard "Books on Teaching."

Kellogg's School Management.

This volume by the editor of the *SCHOOL JOURNAL*, contains practical ideas on this important subject. Any teacher will by reading it be able to enter his school with more tact, clearer ideas, and be helped to succeed in governing. It has an introduction by Prof. Thomas Hunter, President of the New York Normal College. He strongly commends it. Also Prof. William F. Phelps, Supt. of the Winona Public Schools, and many other eminent educators. Price 75 cents, postpaid.

De Graff's School-Room Guide.

Prof. De Graff is probably better known as a conductor of Institutes than any other man. He has given a great impulse to educational progress. The book is a careful statement of the instructions given by him at the New York, Penn., New Jersey, and W. Virginia Institutes, and especially intended to assist teachers in the practical work of the school-room. In each subject the author has given:

- 1st. An Introduction.
- 2nd. Directions, or how to teach the subjects.
- 3rd. Cautions, or how to avoid mistakes in teaching the subjects.
- 4th. Results, or the ends to be attained in teaching the subjects.

It brings out the most interesting and philosophical methods of presenting subjects for instruction. The topics treated embrace nearly every branch of study and sphere of duty in the public school. Among them are: Reading, phonics, spelling, penmanship, drawing, language, history, recitations, calligraphy, letter writing, arithmetic, geometry, grammar, geography, climate, natural science, disciplinary movements, organization, management.

457 pages, handsomely bound in cloth. Price, \$1.50 postpaid. This is one of the most attractive and helpful books on our list, and we have sold a large number.

Page's Theory and Practice of Teaching.

Stands at the head of all books for teachers. It is a priceless volume. No man in this country taught as did David P. Page, the first Principal of New York State Normal School. He will stand as the symbol of natural teaching to the end of time. If one can own but one volume, he should own this; it is the book to begin with. It should be read over as often as possible. It will help a good teacher, and it will help a poor teacher, too. Price \$1.50 postpaid.

Johannot's Principles and Practice of Teaching.

The author was a pupil of Mr. Page. He was the President of the N. Y. State Teachers' Association in 1870-80; is a popular conductor of Teachers' Institutes, and has spent his life in educational work. The volume is a capital one, and will be of real practical service. It covers a different field from any other. It will be a great aid to any teacher. Price, \$1.50, postpaid.

Brooks' Normal Methods.

This volume prepared by Edward Brooks, Principal of the Millersville Normal School, Pa., is another volume of great merit. It is sufficient to say that Mr. Brooks is a remarkable teacher, and that his book is attracting attention as a practical guide for a thoughtful teacher. Price, \$1.50, postpaid.

Craig's Question Book.

This is exceedingly useful for all who wish to review their studies or who wish to select questions for their classes. It has 3,000 practical questions on history, grammar, arithmetic, etc., with answers. Each department of questions is followed by department of answers on same subject; each question numbered and corresponding number found in preceding page. We give list of departments: 1. S. History, geography, grammar, arithmetic, reading, orthography, rules of spelling, derivations of words, penmanship, particles and infinitives made easy, civil government, parliamentary laws and usages, physiology and anatomy, physical geography. Ten editions have been published. This is the last revised edition. Price, postpaid, \$1.50.

The Normal Question Book.

This volume like the last is designed for a review of studies for examination. It also contains 3,000 questions with answers quoted from standard works. Price, \$1.50, postpaid.

Calkin's Object Lessons.

Prof. Calkin is the Supt. of the Primary Schools in N. Y. City and has had a wide experience. He is one of the wisest of counselors and is greatly beloved by the teachers of the metropolis. This is undoubtedly the best work on the subject published, and should occupy a prominent place in every teacher's library. It is especially useful to primary teachers. It is a standard work on a subject of growing importance. 30,000 copies of this book have been sold—this shows that some teachers prepare for meeting their responsibility. Its price is \$1.50, postpaid.

How to Teach.

This volume describes the methods used in the New York Public Schools (it was prepared by City Superintendents Kiddle, Harrison, and Calkin). It sets in the methods in each grade, and a knowledge of it may almost be said to be required of every teacher in the New York City. Price, \$1.50, postpaid.

Manuals for Teachers.

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These manuals are reprints from works published in England and are highly valued by the London teachers. They cover a large field; they have practical suggestions, and are not merely theory. An. One of these will be sent postpaid for 50 cents; the set of five for \$2.50 postpaid. Address,

E. L. KELLOGG & Co.,
31 Park Place, New York.

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Don't fail to read all of these two pages, and learn how you can Make Money Easily, Rapidly and Honestly. No Capital required, no Experience necessary. No Risk. All make Great Pay. Something New for Teachers.

SIXTEEN ELEGANT CHROMOS FREE To every Subscriber to our Mammoth 24-page Family Story Paper, the

HOUSEHOLD JOURNAL.

We also give to Agents and Teachers from 30 to 50 cents commission for every Subscriber, and **FIVE HUNDRED DOLLARS IN GOLD FREE** To the Agent who sends in the Largest List of Subscribers before October 1, 1882. Also, **ONE THOUSAND DOLLARS IN OTHER PRIZES.**

Gold and Silver Watches, Pianos and Diamonds Given Away. Read this Circular Carefully and Learn all about it. Any man, woman or child who can carry our Pictures and Paper from door to door can make money.

E. G. RIDEOUT & CO., 10 Barclay Street, New York,

Are determined not to be outdone by any Publishers in the world. Just think of it! The greatest offer ever made! 16 Beautiful Oil Chromos, THE GARFIELD MEMORIAL, and a 24-page Story Paper one year for only One Dollar.

A MILLION SUBSCRIBERS WANTED AND EXPECTED. Agents are making Fortunes. Subscribers are Astonished and Delighted.

DON'T FAIL TO READ EVERY WORD OF THIS CIRCULAR.**TO TEACHERS, AGENTS AND OTHERS.**

We would be glad to have you read this and the following page advertisement, and we will endeavor to show you how you can make from \$20 to \$100 per year besides your regular salary as a teacher, and it will in no way interfere with it. We very much desire to engage all teachers to solicit subscriptions for

OUR MAMMOTH PUBLICATION, THE HOUSEHOLD JOURNAL, CONTAINS TWENTY-FOUR PAGES OF READING MATTER

of the very best class, and is the most popular monthly family story paper published. Its moral purity and variety of departments make it a favorite in every household. Each number contains *Illustrated Stories by the best Authors, Poems, Sketches, Anecdotes, Household, Farm and Garden Departments, Illustrated Fashion Department, Children's Corner, Sunday Reading, The News, Wit, Humor, &c., &c.*

SIXTEEN OIL CHROMO'S FREE

to every one who subscribes and pays one dollar for the *Household Journal* is something very startling, and has hardly been heard of in the publishing business before. But we are able to do it for the reason that we own all the machinery and presses for making all our Chromos, and have to pay no one a profit. This gives us a great advantage over any other publishers, and for this reason no one else can give as much as we can without losing money.

ONLY ONE DOLLAR

pays for the Journal one year and the sixteen Oil Chromos. Last year we gave eight Chromos and eight crayon drawings. This year we give *Sixteen Oil Chromos*. We also give agents 30 cents for the first 100 subscribers, and from that up to 50 cents for each subscriber. We consider that *thirty cents* with our mammoth paper and sixteen Chromos is better than fifty cents would be on any other publication; and the wonder is, how we can afford to give so much for one dollar and give agents such a large commission.

The secret is this: our business is so extensive, and we use such quantities of paper, etc., that we can buy much cheaper than any publishing house in the United States. Again, we do all of our own printing and manufacture all of our Chromos.

At the present time we have ten large chromatic presses going all the time on chromos alone. Formerly, Chromos were all printed by hand, but now steam presses are used, and by this means we are enabled to give just what we agree to for \$1.00, and allow agents a liberal commission. Formerly, a Chromo like those we give to-day would

COST TO MAKE ABOUT \$5.00 EACH,

or \$80.00 for the sixteen. Our presses are all of the largest size and finest make, and we do better work than the majority of Chromo publishers.

We also make Chromos for a great many publishers at quite a profit to ourselves, and as we have a large amount of this work to do, the profit nearly pays for our own Chromos, so we can afford to give more than they can. We are making for ourselves over *five million* Chromos this year. Just think of it, and all of these will be given to our subscribers; not one will be sold. We would not sell one for \$5.00. They are got up expressly for our agents and subscribers, and money will not buy them. If any one wants them they must subscribe for the Journal and pay one dollar.

\$500 IN GOLD FREE.

In addition to the agent's commission for each subscriber sent us, we give prizes to those who send in the largest lists of subscribers before October 1, 1882.

The following is a list of the prizes given, amounting altogether to

FIFTEEN HUNDRED DOLLARS.

We keep a Ledger account with every agent that sends us subscriptions, and can tell at any moment just what each one has done and how many subscribers they have sent in, so that in the September number of the Journal we shall publish a list of those who have won the prizes. Below we give a

LIST OF PRIZES TO THE AGENTS THAT SEND US THE LARGEST LISTS BEFORE OCTOBER 1st, 1882.

FIRST GRAND PRIZE.—\$500 IN GOLD given to the one who sends in the largest list before August 1st, 1882. \$500
SECOND PRIZE.—A fine square grand piano. \$450
THIRD PRIZE.—A beautiful parlor organ. 100
FOURTH PRIZE.—An elegant solid gold watch. 90
FIFTH PRIZE.—A beautiful diamond ring. 85
SIXTH PRIZE.—A ladies' solid gold watch. 75
SEVENTH TO TWENTY-THIRD PRIZE.—
Twenty solid coin silver watches that cost..... 200

Making a grand total of..... \$1500 to the twenty-six agents sending us the largest number of subscribers before August 1st, 1882.

We have made the date August 1st, so as to give all an equal chance to secure the grand prize of \$500 in gold. Our books are always open, and we are ready at any time to show any agent who are the winners of the prizes, so that all may be satisfied. We have started in with the determination to secure one million subscribers and we intend to do it. Even if we make but one cent on every subscriber it will pay a profit of \$100,000, but we do not intend to publish the *Household Journal* wholly for the profit we make. We take a great pride in the Journal, and as we have sufficient business aside from publishing we can live and do as we agree, even if we do not make a cent on the Journal. Agents working for us will be sure that they will be fairly dealt with, and can guarantee that each and every subscriber will get just what we offer.

DESCRIPTION OF CHROMOS.

It is impossible for us, or any one else, to give anything like a fair description of the Chromos we offer as premiums this year, but we feel confident that every agent who reads this circular will send for an outfit, and that they will be more than pleased with what we give.

The oil paintings from which we made these Chromos cost us over \$200, but for the sum of one dollar any one can have a copy so exact and correct that it is difficult to tell one from the other. We will now proceed to give you a brief outline of what we give the people for one dollar.

No. 1 is a beautiful Chromo in fourteen real oil colors, entitled,

THE LITTLE SURGEON.

This charming Chromo is taken from an original oil painting by J. D. Mattison, one of New York's most celebrated artists. This picture was suggested to the artist by a little girl two years old winking a string around its mother's finger, at the house of a friend, where he was visiting one evening. It represents a room scene in New York. A young mother, sitting in an easy chair, has evidently hurt her finger, for "The Little Surgeon" (her two-year-old girl) is in the act of winding a piece of rag around it. The look of sympathy on the young face, the positions and natural home-like appearance of this picture commend it to all at once. It is a subject that is sure to please the ladies. We have never known it to fail. Before we made a Chromo from it a lady friend offered \$250 for the oil painting, but we declined the offer. The Chromo is a perfect copy, and can hardly be told from the oil painting.

No. 2 is a splendid large Chromo, in fourteen oil colors, entitled,

THE NEAPOLITAN BOY.

This magnificent Chromo is taken from the German, and is the finest ever seen in America. This picture has been more admired than any picture in the United States, and it certainly is the most magnificent head and face ever seen in picture, and it is admired by all. Some cheap pictures of "Neapolitan Boy" have been sold throughout the country at \$1 per copy, but there is a demand for something better, and we have just what is wanted in this beautiful Chromo. None can fail to admire it.

No. 3 is an elegant Oil Chromo, entitled,

AMONG THE BLOSSOMS.

This is one of the most beautiful of the sixteen, and is worth ten times the price of a subscription to the Journal. The oil painting cost \$2000 cash. It is by the world-renowned artist, B. F. Reinhart, and it has been so well received, and so universally admired, that we have decided to give it as a premium to the *Household Journal*. "Among the Blossoms" represents a young mother and her child in the flower garden among the blossoms and flowers. The rich blending of colors, the beautiful faces and dresses of the mother and child, make it one of the finest Chromos ever produced. Any person doubting our word as to the merit and cost of the picture, are respectfully referred to the following letter from the artist, Reinhart:

LETTER FROM B. F. REINHART.

Y. M. C. A. B., New York, Oct. 30th, 1880.

DEAR SIR—In response to your favor of the 26th instant, I would say that no artist can be expected to praise his own work, but I may say that in accepting your commission to paint an original picture for one thousand dollars.

I went about the execution of my task with a determination to make "Among the Blossoms" not only worth the price paid for it, but a complete success as a work of art. How far I have succeeded in carrying out these high aims, in my conception and treatment of the subject, I think I may safely leave the picture to speak for itself, and to the critics to pronounce judgment on its merits. I regard "Among the Blossoms" as one of my finest paintings.

Very truly yours,
B. F. REINHART.

No. 4 is a most beautiful Chromo, in fourteen oil colors, entitled,

THE ANGEL OF MERCY.

No description that we can give with the pen will convey any idea of this most striking and beautifully executed picture. It must be seen to be appreciated. A beautiful angel sits enthroned at the gates of heaven. One hand rests upon the book of holy record, while with the beaming eyes she seems to bid us enter. Heavenly clouds surround the angelic messenger, while her eyes seem to speak volumes of unknown happiness. It is the sweetest face and figure we ever gazed upon, and the more you look at it the more you like it. It is a picture that should be hung upon the walls of every house in the land. This was also painted by the celebrated artist, Reinhart, and is worth at least \$50 to any one who wants a refined and beautiful picture, and yet it is given free with fifteen others to every one who subscribes to the Journal and pays one dollar.

No. 5 is a beautiful Chromo by a new process, and excels anything ever made. It is printed in fourteen real oil colors, entitled,

POT LUCK.

This picture is a winter scene, and represents a half dozen bright-colored birds perched upon the edge of a monster dipper, which is covered with snow and ice. Evidently there is food in the dipper, for two of the birds have gone down to the bottom, while one sits perched upon the very end of the long handle, ready to fly to the bottom. A holy vine is represented on one side of the picture, while on the other side, and in the distance, stands the old farm house. The ground is covered with snow, and the setting sun gives it a golden tint. These pictures are entirely different from anything we ever gave as premiums, and as they have never been sold in this country, they will be much admired and sought after by all lovers of art.

No. 6 is a beautiful Chromo after the same style, and is a companion to No. 5, entitled,

A CHRISTMAS MORNING.

People who have seen this and No. 5, pronounce them the finest ever produced in this country, and it affords us great pleasure to be able to give these beautiful works of art.

A Christmas morning is represented by a dozen different colored birds, gathered at the door of a vine-clad cottage. They are without doubt waiting for a Christmas dinner. Some are perched in front of the door, while others are hopping around upon the snow. Others are seen flying through the air to join their comrades. Their bright plumage taken in contrast with the snow and green holly makes this one of the most attractive pictures it is possible to imagine.

We paid \$10 each for the originals in Paris, and they are what they call colored photographs, though they are entirely different from anything ever seen here.

We will make a present of \$1000 to any one who can tell our Chromo from the original, and if they are as good as they are not worth as much as we have to pay? We think you will say so when you see them.

No. 7 is a charming Oil Chromo, entitled,

THE FOX AND DUCKS.

This is a beautiful landscape scene, showing a beautiful perspective of green field and shady trees. In the foreground is shown Mr. Foxey, who has been on a foraging expedition and has captured a large wild duck from the neighboring pond and is standing with feet upon him, while other ducks become frightened and fly away. This is really a fine picture and is entirely different from anything ever given as a premium.

No. 8 is a charming Oil Chromo, entitled,

THE PET HARES.

This picture represents a family of rabbits. The mother and two little ones, in a garden among the flower and vegetable kingdom. They are evidently the pets of the household and are having things all their own way.

The bright-colored flowers and leaves in the background and pet rabbits in the foreground make this a very pretty and taking picture. We have the original paintings in water colors of this and No. 7, and they are much admired.

No. 9 is a charming Oil Chromo, entitled,

MOSS ROSES.

This is the most beautiful bunch of moss roses you ever saw. Some are just budding, others half blossomed, while others are in full bloom. This bouquet of roses is tastefully arranged and interspersed with green leaves. It makes a beautiful picture for the mantle or wall. It must be seen to be appreciated.

No. 10 is a fine Oil Chromo, entitled,

THE FLOWER-COVERED CROSS.

No pen can give a correct idea of this beautiful subject, or enumerate the different colored and great variety of flowers.

This grand old wooden cross is literally covered with flowers of almost every variety and color.

One dollar each is the price paid in New York for such a Chromo, but we give it with fifteen others to every one that subscribes to the Journal.

No. 11 is a fine stipple work Chromo, entitled,

THE BLUE JAY.

This is one of the finest bird pictures it has been our good fortune to see. The "Blue Jay" is one of the finest colored birds in America, and as he sits perched upon the limb of a tree covered with bright autumn leaves the contrast is very striking and beautiful. Such a picture has never been seen in this country, and we are sure it will more than please our subscribers. Space forbids our giving any elaborate description of these Chromos, but they are without doubt the finest set ever given as premiums.

No. 12 is another fine bird picture, entitled,

THE BALTIMORE ORIOLE.

"The Baltimore Oriole" is one of the most celebrated and beautifully plumaged birds in America, and these pictures have sold in some parts of the country at fabulous prices. We consider this one of the finest ever produced, and the large quantity published enables us to give one to each and every subscriber to the Journal. It has been pronounced by all lovers of art as a fine specimen, and as it sits perched upon the limb of a tree, ready to fly, we are almost ready to believe it is alive.

No. 13 is a beautiful Oil Chromo, entitled,

AUTUMN FRUIT.

We have not forgotten in our collection of fine oil Chromos that the dining room of every American home should be decorated with pictures, as well as the parlor or sitting room, and to this end we have bent our energies so far as to produce this charming fruit piece of peaches, grapes, raspberries, &c. Every article of fruit looks as natural as nature itself, and for a dining room picture it cannot be excelled.

No. 14 is a fine Oil Chromo, entitled,

SUMMER FRUIT.

Here we have something good enough to eat, at least it looks good enough, but as they cannot be used in that manner, we will ask our subscribers to find a place in the dining room. No. 14 is a nice companion piece to "Autumn Fruit." It consists of apples, pears, raspberries, strawberries, cherries, &c., and all are natural as life. We are sure these fruit pictures will be admired by our many customers.

No. 15 is a Stipple Chromo, entitled,

A BIRTHDAY GIFT.

This is a perfect gem of art, and one that is admired by all who see it. No more appropriate souvenir could be presented as a birthday gift.

No. 16 is a fine Stipple Chromo, entitled,

READ THE NEXT PAGE ALSO.

GREAT OFFER TO TEACHERS. READ THESE TWO PAGES.

THE OLEANDER.

Every one knows what the oleander is, and what beautiful blossoms come from it. Here we have buds and blossoms in all their beauty of color. No more fitting present could be made to a lady or gentleman friend, and none can fail to appreciate it.

GARFIELD MEMORIAL PICTURE, DEDICATED TO THE MEMORY OF OUR HONORED DEAD.

After this circular was in the printer's hand we received the first proof from the artist of this beautiful tinted engraving of our late President,

JAMES A. GARFIELD.

It has been admired and appreciated so much that we have at this late hour decided to give it free, together with the sixteen Chromos, to every one who subscribes to the Household Journal during the coming year.

This picture alone is worth the price of a subscription, and will help agents to secure thousands of subscribers North, South, East and West. It is impossible to give a description of this beautiful picture. The design is entirely new. Three angels are seen descending from heaven to meet the departed soul of our martyr President.

The portrait is surrounded by appropriate inscriptions and various artistic designs. Agents will no doubt appreciate our liberality, and we are sure it will be the means of securing thousands of subscribers.

We have now in a hurried manner given you a faint idea of what we give the people for \$1.00. We do not hesitate to say that we give more than twice the value in Chromos than any other publishers do. We can positively assert, without fear of contradiction, that our Chromos contain twice the number of colors that those of any other firm do, and besides our Chromos are twice as large.

SIXTEEN CHROMOS AND OUR 24-PAGE PAPER FOR ONLY \$1.00.

This offer is one of the grandest ever made, and we doubt if it will ever be made again. For \$1.00 any one can secure the Household Journal for one year and sixteen beautiful Chromos free.

We do not propose to be outdone by any publishers in the world, and agents will consult their own interests when they send us for an outfit. We fully believe any agent can make from \$100 to \$500 per year, and do it easily. In fact we have agents who are doing as well as this now, and they could not be induced to work at anything else.

MAMMOTH OUTFIT FREE.

We send our mammoth outfit of sixteen Oil Chromos free, and Garfield Memorial, to all who desire to act as agents for us, charging the small sum of 35 cents for postage and packing expenses. This does not cover cost of postage and packing expenses, but we consider it as a guarantee that all who send will give the business a fair trial. Send for our outfit, and work for one week as hard as you would at anything else, and if you are not perfectly satisfied with your profit at the end of the week we will send you \$25.00 for your trouble.

IN ORDERING AN OUTFIT,

We require that you write us a letter like the following, and we shall be obliged to return you the 35 cents, because we do not intend to give any outfits to parties who do not intend to canvass for us.

G. RIDEOUT & CO., to Barclay St., New York.
GENTS—You will find enclosed thirty-five cents, for which please send me your outfit for canvassing for the Household Journal.

I assure you, upon my honor, that I will give the business a fair trial, and that I do not send for the purpose of using your outfit free. If I find the business to pay me, I will canvass my own and neighboring towns.

The outfit is to consist of the following:

- 1. One Chromo, entitled, "The Little Surgeon."
- 2. One Chromo, entitled, "Neapolitan Boy."
- 3. One Chromo, entitled, "Among the Blossoms."
- 4. One Chromo, entitled, "The Angel of Mercy."
- 5. One Chromo, entitled, "Pot Luck."
- 6. One Chromo, entitled, "A Christmas Morning."
- 7. One Chromo, entitled, "The Fox and Ducks."
- 8. One Chromo, entitled, "The Pet Hares."
- 9. One Chromo, entitled, "Moss Roses."
- 10. One Chromo, entitled, "The Flower-Covered Cross."
- 11. One Chromo, entitled, "The Blue Jay."
- 12. One Chromo, entitled, "The Baltimore Oriole."
- 13. One Chromo, entitled, "Autumn Fruit."
- 14. One Chromo, entitled, "Summer Fruit."
- 15. One Chromo, entitled, "A Birthday Gift."
- 16. One Chromo, entitled, "The Oleander."

Also, Tinted engraving, The Garfield Memorial.
Also, Specimen Copies of the Household Journal, complete Instructions to Agents; Certificate of Agency; Blank Subscription Lists on which to write the lists of subscribers; Addressed Return Envelopes, &c.

I shall expect the outfit by return mail, and will at once return to you.

Name.....
P. O. Address.....
County.....
State.....

OR THE BENEFIT OF AGENTS.

We send our outfit free for the benefit of agents, and we do not care to send it to any one who does not want to work for us.

We know that all live agents who secure this outfit will greatly benefit, and can reap a golden harvest within next few months.

LIBERAL TERMS TO AGENTS.

We consider any one our Agent who sends for an outfit, and commences to canvass for us, no matter how small his town may be.

Agents charge and collect One Dollar per year for our mammoth 24-page Paper, including the sixteen Oil Chromos.

On each of the first hundred subscribers, Agents will receive a commission of 30 cents, and send us 70 cents for

On each of the second hundred subscribers, the Agent will retain a commission of 35 cents, and send us 65 cents for each.

On each of the third hundred subscribers, the Agent will retain a commission of 40 cents, and send us 60 cents for each.

On each of the fourth hundred subscribers, the Agent will retain a commission of 45 cents, and send us 55 cents for each.

Now, the Agent having sent us 400 subscribers, he will retain a commission of 50 cents on each, and send us 50 cents for each.

Considering how easily subscribers can be obtained with our Mammoth Illustrated Paper, with sixteen Chromos free, 30 cents is a very large commission, but we continue to increase it until the Agent gets 50 cents on each subscriber, or half of the entire subscription money. It is the largest offer and best chance to make money honorably ever placed before agents.

Agents sometimes ask us to vary our terms. This we never do for any one. Our books are kept in conformity with our terms, and to vary our terms for any one is simply impossible, and we never take any notice of such letters, so save your terms if you are going to write to us to change our terms.

REMEMBER THIS—An Agent does not have to wait till he gets 100 subscribers before he gets any commission. If you send us but one subscriber you keep 30 cents and send us 70. If you send us 10 subscribers, you keep \$3 and send us \$7. If you send us 50 subscribers, you keep \$15 and send us \$35, and so on up to 100. After you have sent us 100, then you keep 35 cents for each subscriber, according to terms to agents, and so on.

TWO METHODS OR PLANS

UPON WHICH AGENTS WORK IN SECURING SUBSCRIBERS.

There are two methods or plans upon which Agents conduct the business of getting subscribers. We are going to present to you both ways, and then we will give you a little of our experience and advice, which, if you follow, will give you a big start in life, and may be the stepping stone to fortune.

First Way or Plan.—First get our outfit, then go around from house to house, showing the papers and premium pictures, and explain our liberal terms to subscribers, and that we give our large 24-page paper one year and sixteen Chromos and the Garfield Memorial for the small sum of \$1.00.

The Agent will also explain that subscribers do not pay until he brings them the seventeen premium pictures and receipts signed by us entitling them to the paper for one year. After the Agent has taken subscribers a few days, more or less, he sends the list to us, with the proper amount of money, after deducting his commission, according to our terms to Agents, for each subscription. On receipt of the list of subscribers, we send the Agent a receipt for each subscriber, with sixteen Chromos and the Garfield Memorial, and we commence sending papers to the subscribers at once.

The Agent, having received the Chromos and receipts, goes around again and delivers them to the subscribers and collects his money. An Agent must have a little ready money, for we require that payment must accompany each list of subscribers. This will cause no inconvenience to honest Agents, and should not happen to have the money, he can borrow it for a few days, and his profits will soon enable him to do without borrowing, and to handle the business just as he likes.

The Second Way and the Best Way is to send in and pay for a number of subscriptions, receive the premiums and receipts, and then go to work and secure subscribers and deliver the premiums and receipts as you go, and thus save going over the territory a second year, and thus save the same and collect your pay. For instance, when you order your outfit, or after you have received it, send us \$50, which pays for the first hundred subscriptions. By return mail or express you will receive one hundred sets of the sixteen Chromos and Garfield Memorial and one hundred receipts, which is an outfit for the first hundred subscribers. The receipts will be all made out and signed by us, and each good for a year's subscription to the Household Journal, and all you have to write in will be the subscriber's name, &c. You can then take a package of the premium Chromos and receipts, and go to canvassing. It being on your first hundred subscribers, you have paid seventy cents each for them, and will collect \$1 on each, and give to each subscriber a set of sixteen Chromos, the Garfield Memorial, and a receipt entitling him or her to the paper for one year, and the work is done. Every few days you will send in the subscribers' names to us, on subscription lists furnished for that purpose, and we will send you \$1.00 for every ten subscribers, and \$1.50 for five subscribers, (as you will already have paid for them), and we at once book their names and send them the paper for one year.

If an agent is so situated that, at the start, he is unable to send \$50 for 100 subscriptions, then send \$35 for fifty subscriptions; if you cannot send \$35, then send \$17.50 for twenty-five subscriptions, and even if you cannot send \$17.50 for ten subscriptions, or \$3.50 for five subscriptions, still it is the best and easiest way to conduct the business. You approach a person, and show him or her the sixteen beautiful premium Chromos, the paper, and Garfield Memorial, and tell them that they can have the sixteen pictures then and there, and that you are prepared to give them a receipt for the paper for a year, signed by us, and that by return mail they will get the same any money, (as you will already have paid for them), and we at once book their names and send them the paper for one year.

We have had a large experience in the agency business, and know just how it works. Agents need not have any fear of ordering too many subscriptions at a time, for they can find ready customers for all they have money to buy, without any trouble, (as you will already have paid for them), and we at once book their names and send them the paper for one year.

All old agents, who understand the agency business, the large offer that we make, and the importance of being early in the field, will order all the subscriptions they can with their outfit. Some agents will order as many as five hundred to start with. We have had agents order as many as one thousand, and we have not a single one of them who has failed, and we gave only two Chromos where we now give sixteen, and our Chromos now are even better than the two we used to give, for the reason that we have better facilities now for producing them than we had then.

OUR ADVICE TO YOU IS

to order just as many sets and receipts in advance as you possibly can, and to lose no time in so doing. Never in the history of the publishing business was such an offer before made, and probably will not be again, so take our advice and do not let the grass grow under your feet till you have sent us from two hundred to two thousand subscribers. Not one person who reads this circular can fail to make from \$50 to \$200 PER WEEK. Not one person who reads this Circular but can get from one hundred to five hundred subscribers in three days in fair territory. An agent last year, who was at work during the day, took our outfit, started in the evening, visited fifty houses, and took forty-seven subscribers, and this, too, we only gave four small Chromos. Another agent

took ONE HUNDRED AND SIXTY-FIVE SUBSCRIBERS IN A SINGLE DAY. If that could be done with only four Chromos, think what can be done with sixteen. There is no end to the business that can be done, and the sooner you start the better.

It is not necessary to tell old agents to order pictures and receipts in advance, for they recognize the importance and do so at once, thus putting themselves far ahead of all competitors.

YOU CAN DEPEND UPON THIS.—No matter how many agents have been ahead of you with other publications, you can follow right along with our fine twenty-four-page literary paper and seventeen beautiful pictures, and take ten subscriptions where they took one. You can also get people to subscribe where they are taking half a dozen papers.

START RIGHT; THEN GO AHEAD.

No agent or business man is ever successful unless he starts right. An agent to be thoroughly successful should order sets in advance, but if he cannot do that he should not fail to order an outfit. It is very unwise to go around and ask people to subscribe to the Household Journal, or any other publication unless you have an outfit to show.

An agent who does this cannot succeed any more than a man could build a store and put in a stock of goods in some wilderness. Good judgment always goes a great way in any business, and an agent should exercise good judgment as well as any business man.

OUR GRAND COMBINATION

Takes the people by storm, and it is as easy to get people to subscribe for the Journal with our sixteen Chromos as it is to walk from house to house.

MAKE CLEAN WORK

Of a town. Do not pass a house, as it may be the very one where you would get one or two subscribers. You may get in some town where an agent has been ahead of you with some other publication, but this need make no difference to you. You will find that you can follow right after them and secure five subscribers where they got one. Our Chromos are something entirely different from anything ever given before, and people will subscribe at sight.

\$200 PROFIT IN ELEVEN DAYS

An agent last year sent in 500 subscribers in just eleven days, making a profit of \$200. We consider this pretty good work, but he did not stop there, but kept on till his orders amounted to thousands.

\$1.00 PER YEAR

Is the popular price for a monthly publication, and an agent can obtain subscribers at \$1.00 per year where they would not think of subscribing and paying \$1.25 or \$1.50.

SOLID ALUMINIUM GOLD WATCH FREE.

In order to induce our agents to order 100 sets at a time, we offer one of our Hunting-Cam Aluminium Gold Watches free; or we will do better still; if you will order 100 sets within 30 days after receiving the outfit we will give you the Watch free. This gives those with small capital an equal chance with those who have large capital. We gave away over 1000 Watches to agents last year, and we stand ready to give away 10,000 this year. Who will take the Watch? Remember if you cannot order the 100 at one time, you can order them within 30 days from the time you get your outfit, and we will send the Watch all the same. We keep an account with every agent, and know just how you stand, and can tell just how many sets you have sent for, and just how many subscribers you have secured, and at any moment, by referring to this Watch, it can be sold any time for from ten to fifteen dollars, which really gives you about forty-five cents on the first one hundred subscribers. Think of it.

OUR GRAND PRIZES.

We have quite a curiosity to see who will get the grand prizes we offer for the largest list of subscribers.

\$500 IN GOLD

Or greenbacks is worth working for, and we expect agents will make a grand effort. Now don't think you can't get the \$500, and give up before you start. If you can't get the \$500 you can get the Piano or Organ or Gold Watch. Somebody is going to get it, and if you work for it you are as liable to get it as any one.

TEACHERS,

Make the best of agents, and we expect some lady will get the Piano or Organ, or at least the Lady's Solid Gold Watch, and we shall be happy to send it to the one who is the winner. Our liberal offers ought to secure all the good agents in the country, and we expect a lively business this summer. The general business of the country was never so good as it is at the present time, and people surely will not mind pulling out a DOLLAR when they can get TEN in return.

WHAT BUSINESS PEOPLE THINK OF US.

OFFICE OF THE SPRINGFIELD CITY PAPER CO.

SPRINGFIELD, MASS., Sept. 8th, 1880.

We take great pleasure in stating that we have sold E. G. Rideout & Co. a great many hundreds of tens of papers, for which they have paid us cash. Messrs. Rideout & Co. are our largest customers, and if they want \$100,000 worth on credit we should not hesitate to sell them.

We not only consider them able to do as they agree, but we also consider them perfectly honest and straightforward in every particular. We know that they are doing one of the largest and most successful publishing businesses in the country. Messrs. Rideout & Co.'s contracts with us for the next year are for the best quality of paper, SPRINGFIELD CITY PAPER CO.

NEW YORK, September 15th, 1880.

We have been doing business with E. G. Rideout & Co. for the past five years, and in that time have sold them large amounts. They have always paid us cash, and we know that they do a larger business than any firm in their line in New York city. If they asked credit we should not hesitate to sell them any amount.

L. S. FRIEDBURGER & CO.

OFFICE OF THE CADWELL LITHOGRAPHIC CO.

This is to certify that E. G. Rideout, Esq., is President and Treasurer of the Cadwell Lithographic Co., and holds \$60,000 worth of stock. That E. G. Rideout & Co.'s orders are to put the best work upon all Chromos made for them, and use the best oil colors and varnish. Having

been printer for many years, as well as manager of several large establishments, I can truly say that I consider their Chromos superior to all others, for the reason that the colors are better and there are more printings.

W. H. CADWELL, Manager.

EXTRACTS FROM A FEW LETTERS FROM AGENTS.

BENNINGTON, Vt., Jan. 17th, 1881.

GENTLEMEN—The goods duly received and give good satisfaction. Persons who do not esteem it a pleasure to deal with you, do not possess the qualities of righteous individuals, especially so far as fairness between man and man is concerned. You richly merit the success you are enjoying in your extensive business.

Very respectfully, S. M. BOWLES.

TERRAVILLE, Dakota Terr., Aug. 17th, 1881.

MESSRS. E. G. RIDEOUT & CO.: GENTS—I am glad to state the goods you shipped me on the 4th instant have been received in good order and give satisfaction in every respect. The premium watch I am proud of, and I think you have acted very squarely with me. Will give you further orders soon.

Very truly yours, A. D. SMITH.

FORT CLARK, Texas, Aug. 19th, 1881.

GENTS—I received the goods I bought of you; also 30 cents that I sent more than the bill amounted to. I hardly thought you would trouble yourself about so small a sum. I am pleased to say that I have found an honest firm at last. I have dealt with a great many companies, but have found none so honest or one that would give so small a bill of goods so much attention. I found the goods just as represented. Yours, respectfully, PETER L. HESSLER.

[NOTE.—Mr. Hessler's order was for jewelry and novelties. We could print hundreds of such letters, but we haven't space, nor do we wish to weary your patience.]

Having now shown you to some extent who and what we are, we will proceed to offer some suggestions in regard to sending money, &c.

THE SAFEST WAY TO SEND MONEY

Is by registered letter, money order or bank draft, at our risk. (Personal checks not taken.) We always send small sums of money in common letters, but we make it a rule not to send amounts of over \$5 without registering or giving a money order. All postmasters are obliged to register letters, and the fee is but one or five cents. Still, we have to agents to send in common letters if they see fit; it is at their risk, and they must not blame us if it is lost. So please remember that all money sent to us by registered letter, money order or bank draft, is at our risk, but that sent in common letter is at the risk of the person sending the same. Lists of subscribers should always be registered, for if lost would cost us and the agent much trouble.

ASSIGNING TERRITORY.

We do not assign any special territory to an agent. Long experience in this business teaches us that it is best for each to select his own territory. Our agents can go where they please, and no one can question their right to do so.

POSTAGE STAMPS TAKEN SAME AS CASH.

We take postage stamps same as cash for parts of a dollar, but we prefer money for all even dollars. It is just as easy, and in fact easier to send one or five dollar bills than to send one or five-dollars in postage stamps. In sending stamps try and send those of the one cent denomination, as we get more of the three-cent than we can use, and are obliged to sell them at a loss to ourselves.

No mutilated coin taken.

NO MUTILATED COIN TAKEN.

The government will not receive coin that is mutilated except for what it is worth for old silver; neither can it be passed in New York city. We are, therefore, obliged to refuse all coin, with holes punched in them, or mutilated in any way. Remember this.

SENDING O. O. D.

We will send Chromos and receipts by express, and collect balance on delivery, provided \$5.00 is paid in advance as a guarantee of good faith. If you order in this way you must pay the express charges, and we pay for returning the money to us.

YOUR SPARE TIME IS WORTH MONEY TO YOU.

Some of our greatest men have obtained both wealth and education by utilizing all their spare moments. There is not a person reading this circular but what can make large sums of money by working in the evening, or during their spare moments. We have sent you with this circular our Jewelry Catalogue. If you should happen to be one of those who cannot make a business of canvassing, you can by a few hours' work secure an elegant piece of jewelry, or a handsome watch for yourself.

LAST BUT NOT LEAST, AND IN CONCLUSION,

allow us to urge upon you the necessity of making an effort for yourself. Perhaps you who are reading this circular now are one of those who are working for a salary. When by starting out for yourself in this business you can make double what you can possibly make at day pay. And again it gives you a knowledge of people and the world which will be valuable to you in future years.

We are fully imbued with the belief that we have offered you the most magnificent chance to make money you ever had, and we trust it may prove your stepping stone to an honorable business career. We do not forget that we ourselves once canvassed from house to house and store to store. That we left quite a good position to join the grand army of agents, and we have not yet seen cause to regret the step we made. Our paper is really the most entertaining and best family story paper in the country. Our Chromos are the best, and we feel entirely confident that the agent who starts out with a determination will succeed.

Some one will carry off the Grand Prize of \$500, and earn a large sum of money besides. Let us hope it will be you, dear reader, and that we may hear from you by return mail, with an order for one hundred sets, or at the very least an outfit.

Trusting we have not wearied you with this long Circular, and that we may hear from you by return mail, we have the honor to be

Very truly yours,

E. G. RIDEOUT & CO., 10 Barclay Street, New York.

COLDEN'S Liquid Beef Tonic.

This preparation, consisting of the Extract of Beef [prepared by Baron Liebig's process], the very best Brandy that can be obtained, soluble Citrate of Iron, Cinchona, and simple Bitter Tonics, is presented to the world for a trial of its claims. There are several preparations purporting to contain some of the above-named components, but the high cost of manufacture and the consequent reduction of profit, have caused the manufacturers to allow many such to deteriorate by the use of impure and cheap materials.

Physicians of large experience are growing to realize more and more fully the importance of preparing in accordance with the principles of dietetics the waste which disease entails; and these physicians are most successful in practice who recognize the fact, that the true use of drugs is to restore to normal function the process of nutrition, on which life and health depend; and it has been a desideratum to obtain a preparation which could be given with a certainty of benefit.

We therefore present COLDEN'S LIQUID BEEF TONIC to the profession with a confidence inspired by a knowledge of its universal application in disease, and guarantee its purity and perfect assimilability.

We believe a trial will convince all—as it has already convinced many—that it is an invaluable aid to the physician. Its benefit is particularly marked in lowered states of the system, such as simple Anemia, and that resulting from malarial poison, in chlorosis, spinal irritation, mental and nervous debility of over-worked business men, and especially in convalescence from protracted diseases. Its simple bitter principles act directly on the sensitive gastric nerves, stimulating the follicles to secretion, and giving to weakened individuals that first prerequisite to improvement—an appetite. The Cinchona which it contains makes it indispensable in the treatment of the results of malarial disease, whilst its iron is a direct blood food, and its alcohol acts in the double capacity of assisting the local effect of the simple bitters upon the gastric mucous membranes, and also as a direct nervous stimulant.

It will thus appear that, unlike any preparation ever before offered, it combines properties of the utmost value in the treatment of such conditions as have been spoken of in this article. It is truly stimulant, tonic, nutrient, and hematogenic, and is so palatable and digestible that the most sensitive palate and stomach will not reject it.

To conclude; this is not a new preparation, but one whose merits have been long acknowledged.

In a report of the celebrated physician, Sir ENAMUS WILSON, of London, he says: "Several cases of incipient consumption have come under my observation that have been cured by a timely use of LIEBIG'S BEEF TONIC (COLDEN'S)."

We are in receipt of several hundred such commendations, but prefer, instead of introducing them here, to merely append an official analysis of the preparation, made by an eminent London chemist:

The following is a correct analysis of COLDEN'S LIQUID BEEF TONIC, perfected 3d January, 1888. I obtained the samples indiscriminately from the Company's Warehouse, Lower Thames Street, London, E. C. I find this preparation contains:

20 per cent. saccharine matter.	20
25 per cent. glutinous or nutritious matter obtained in the condensation of the beef.	25
25 per cent. spirit rendered non-injurious to the most delicate stomach by the addition of the base oil.	25
30 per cent. of aqueous solution of several herbs and roots, among which are most discernible Peruvian and Calisaya Bark.	30
Total.	100

I have had the process explained by which the beef in this preparation is preserved and rendered soluble by the brandy employed, and I am satisfied this combination will prove a valuable adjunct to our pharmacopoeia.

Signed, ARTHUR HILL HASSALL, M.D., F.R.S., President of the Royal Analytical Ass., London, RUSSELL SQUARE, London, W. C., 3d January, 1888.

Since the date of the above analysis, and by the urgent request of several eminent members of the medical profession, I have added to each wineglassful of this preparation two grains of SOLUBLE CITRATE OF IRON.

T. COLDEN.

N. B.—COLDEN'S LIQUID BEEF TONIC is sold by Druggists generally in pint bottles. In ordering our article, persons should be particular to mention "COLDEN'S." To guard against imitation, see fac-simile of T. COLDEN on bottle-label.

C. N. CRITTENTON, General Agent.
115 Fulton Street, New York.

Agents WANTED at every Co. Institute and Examination in the U. S.

Write for Agency and terms at once. Address,
E. L. KELLOGG & CO., Publishers, 21 Park Place, New York City.

CENTRE OF GRAVITY.—Spectators view with astonishment the balancing feats of a tight rope performer. Yet walking, and above all carrying a load upon the shoulders, is just as surprising when all the facts are analyzed. An infant creeps for months, giving a broad base of support for its body on its hands and knees. By and by it learns by actual practice to stand on the feet by holding on to a chair at the same moment. Finally, after further practice, the hazard is run of supporting the weight of its precious body on a very small base, the two feet. As the *ne plus ultra* of success, at last one foot is raised and then the other, thus shifting alternately the center of gravity, which is quite wonderful when one takes into consideration the immense number of muscles which have to be taught to contract harmoniously and in exact order to accomplish such a simple undertaking as walking on two feet. Quadrupeds may be taught to stand a moment or two on two legs, but it is impossible for them to shift the center of gravity quickly enough to maintain that unnatural position but for a few seconds. Without knee joints, ankle joints and a splendid ball and socket articulation at the pelvis, the center of motion in the human body, walking, running or even standing could not be performed. A man on a wooden leg is immensely embarrassed in keeping the center of gravity unless he uses a cane to increase the base of support. Going up hill or down is an equally curious exhibition of constant shifting of the center of gravity.

Certainly an elegant remedy for all aches and pains is St. Jacobs Oil, says Dr. J. Turner of Shirrel's Ford, N. C., in the Ravenswood (N. C.) News.

MAKING HONEY.—In Boston, a firm is doing a large business in making an imitation honey in the comb. The comb is molded out of paraffin wax, in good imitation of the work of bees; the cells are then filled with simple glucose syrup, flavored doubtless with some genuine honey, and sealed up by passing a hot iron over them. The product is sold for the best clover honey, and much of it is said to be shipped to Europe.

A PEEPERLESS PERFUME.

The refreshing aroma of Floreston Cologne, and its lasting fragrance make it a peerless perfume for the toilet.

"WHAT did you say the conductor's name was?" "Glass—Mr. Glass." "O no!" "But it is." "Impossible! It can't be." "And why not, pray?" "Because, sir, glass is a non-conductor."

PROOF EVERYWHERE.

If any invalid or sick person has the least doubt of the power and efficacy of Hop Bitters to cure them, they can find cases exactly like their own, in their own neighborhood, with proof positive that they can be easily and permanently cured at a trifling cost—or ask your druggist or physician.

GREENWICH, Feb. 11, 1880.

Hop Bitters Co.: Sirs: I was given up by the doctors to die of scrofula consumption. Two bottles of your Bitters cured me.

LEROY BREWER.

In one lot there are four calves, and in another two young men with their hair parted in the center. How many calves in all?

The Diamond Dyes for family use have no equals. All popular colors easily dyed, fast and beautiful. Ten cents a package.

TUBAL CAIN
WANTED a few BRIGHT Masons to sell the FINEST MASONIC ENGRAVING ever produced in this country. For particulars and descriptive circular, apply to the Publishers,
BRADLEY & COMPANY,
66 N. 4th St., Philadelphia, Pa.



THE WONDER OF HEALING!

Catarrh. The Extract is the only specific for this disease, cold in Head, etc. Our "Catarrh Cure," especially prepared to meet serious cases, contains all the curative properties of the Extract; our Nasal Syringe invaluable for use in catarrhal affections, is simple and inexpensive.

Rheumatism, Neuralgia. No other preparation has cured so many cases of these distressing complaints as the Extract.

Hemorrhages. Bleeding from the Lungs, Stomach, Nose, or from any cause, is speedily controlled and stopped.

Diphtheria & Sore Throat. Use the Extract promptly. It is a sure cure. Delay is dangerous. For Piles, Blind, Bleeding or Itching, it is the greatest known remedy.

For Ulcers, Old Sores or Open Wounds. Its action upon these is most remarkable.

Caution.—POND'S EXTRACT has been imitated. The genuine has the words "POND'S EXTRACT" blown in the glass, and our picture trade-mark on surrounding buff wrapper. None other is genuine. Always insist on having POND'S EXTRACT. Take no other preparation. It is never sold in bulk or by measure.

SPECIALTIES AND TOILET ARTICLES.

POND'S EXTRACT.....	50c., \$1.00, \$1.75
Toilet Cream.....	1.00; Catarrh Cure.....
Dentifrice.....	50
Plaster.....	25
Upl Salve.....	25
Inhaler (Glass 50c.).....	1.00
Toilet Soap (3 Cakes).....	50
Nasal Syringe.....	25
Ointment.....	50
Medicated Paper.....	25

Family Syringe, \$1.00.

LADIES, read pages 13, 18, 21 and 25 of our New Pamphlet which accompanies each bottle.

Our NEW PAMPHLET with HISTORY OF OUR PREPARATIONS SENT FREE ON APPLICATION TO
POND'S EXTRACT CO.,
14 West 14th St., New York.

DR. HOLMAN'S
Ague, Stomach and Liver Pad

Cures Malaria in all its forms, all Liver, Stomach and Spleen troubles, Chronic Diarrhea, etc., etc., and is a positive preventive of Small-pox, Diphtheria, Scarlatina, Typhoid Fever, and all diseases which germinate in blood poison. Regular Pad, \$1.00; larger sizes for chronic and aggravated cases. See Treatise.

Dr. Holman's Renal Pad cures Kidney and bladder Affections, Weak Back, etc. \$2.00.

Dr. Holman's Pectoral Pad cures Lung and Bronchial Affections, etc., etc. \$2.00.

Dr. Holman's Abdominal Pad cures diseases of Generative Organs in both sexes, all Bowel and Bladder Affections, etc., etc. \$2.00.

Dr. Holman's Absorptive Medicinal Body Plaster cures all local pains and weaknesses. The best in the world. 25c.

Dr. Holman's Absorptive Medicinal Foot Plaster, for Cold Feet, Headache and sluggish Circulation. Per pair, 25c.

Dr. Holman's Absorption Salt, for Medication. Balis. For 1/4 lb. package, 25c.

FOR SALE BY ALL DRUGGISTS.

Or sent by mail, postpaid, on receipt of price. Beware of all BODIES PADS only made to sell on the reputation of the genuine.

DR. HOLMAN'S advice is free. Full treatise sent out on application. Address

HOLMAN PAD COMPANY,
(P. O. Box 2112.) 744 Broadway, N. Y.

KIDNEY-WORT

FOR THE PERMANENT CURE OF
CONSTIPATION.

No other disease is so prevalent in this country as Constipation, and no remedy has ever equalled the celebrated Kidney-Wort as a cure. Whatever the cause, however obstinate the case, proper use of this remedy will overcome it.

PILES. This distressing complaint is very easy to be complicated with Constipation. Kidney-Wort cures the weakened parts and quickly cures all kinds of Piles even when physicians and medicines have failed.

If you have either of these troubles

PRICE 25c. USE Druggists Sell

KIDNEY-WORT

DENTAL ROOM

—OF—

DR. W. J. STEWART,

23d STREET AND 9th AV.

RELIABLE WORK.

MODERATE CHARGE

Plastic fillings for broken down and sensitive teeth a specialty

IF you are the Most Complete Telegraph Instructor in the world. C. K. JONES & SONS, Cincinnati

LEARN ALL YOU CAN—Never omit any opportunity to learn all you can. Sir Walter Scott said that even in the stage-coach he always found somebody who could tell him something he did not know before. Conversation is frequently more useful than books for purposes of knowledge. It is therefore a mistake to be morose and silent among persons whom we think to be ignorant, for a little sociability on your part will draw them out, and they will be able to teach you some things, no matter how ordinary their employment. Indeed, some of the most sagacious remarks are made by persons of this kind, respecting their particular pursuits. Hugh Miller, the geologist, owes not a little of his fame to observations made when he was a journeyman stone mason, and in a quarry. Socrates well said that there was but one good, which is knowledge, and one evil, which is ignorance. Every grain of sand goes to make up the heap. A gold-digger takes the smallest nuggets, and is not fool enough to throw them away because he hopes to find a large lump some time. So in acquiring knowledge, we should never despise an opportunity, however unpromising. If there is a moment's leisure, spend it over good or instructive talking with the first one you meet.

PERFECTLY AMAZED.

In the San Francisco *Evening Bulletin* we observe that Mr. Rosenthal of the well known printing firm, Rosenthal & Roesch, 598 California street, that city, said to one of their reporters, "We all know of St. Jacobs Oil, and are perfectly amazed at the suddenness of the relief it affords. If you know of any one who is suffering with rheumatism, bruise or sprain, tell them to use St. Jacobs Oil."

TOURIST: "I say, boy, what's the name of that hill yonder?" Boy: "Dunno." Tourist: "Don't know? What! lived here all your life and don't know the name of it?" Boy: "No; the hill was here afore I com'd."

When heart and brain languish and the majesty of perfect human nature is conquered by a fickle temper and tendency to sorrow, the nerves are faulty. Give sympathy to the sufferer and teach him the virtues of Dr. C. W. Benson's Celery and Chamomile Pills.

PROF. Morselli says that tall Europeans are more given to suicide than short ones. Perhaps they get tired of living so long.

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[From Frank Leslie's Illustrated Newspaper.]

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One more case we will mention,—a son of the late Prof. Miller, of Amherst College, was brought to Dr. Rhodes, almost completely paralyzed, so that even his mouth and tongue were involved, his limbs were drawn up, and feet twisted by contraction of the cords; his brain and heart were both affected, the latter to such an extent that you could hear it beat in an adjoining room. In fact the boy was given over to die by the physicians attending him. Finally, as a last resort, his mother brought him to Dr. Rhodes, and in twelve weeks, under his treatment, he was entirely cured, and is now in perfect health. His cure was regarded by his relatives as almost miraculous; but the facts as stated above are too well known to admit of doubt.

That ripe and profound scholar, PROF. CALVIN E. STOWE, the husband of Mrs. Harriet Beecher Stowe, became almost completely paralyzed, and was taken to Dr. RHODES, who within a few months' time restored him to perfect health. Prof. Stowe has shown his gratitude to Dr. RHODES, by sending him over one hundred patients, every one of whom have been cured by his treatment.

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